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No. 21.

THIRTY-FIRST ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1886.

BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1887.

^{47th}
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Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The Trustees of the Northampton Lunatic Hospital have the honor to submit their report for the fiscal year 1885-86.

In reviewing the year which has past we cannot fail to observe the fact which has often been alluded to in the annual reports, that there is a regular and gradual increase in the number of yearly admissions. There is also an increase in the number of acute cases, corresponding more or less accurately with the increase of population in Western Massachusetts. There is a tendency among that large class of patients, who come and go as occasion requires, to fall into a chronic or incurable condition, which makes their residence in the hospital more permanent. The removal of 33 chronic cases to almshouses has afforded some relief to the crowded condition of the hospital. Twelve patients have also been removed by the Board of Lunacy and Charity and placed in families where they are cared for at the same compensation as in the hospitals. It is gratifying to notice that the experiment has been so far successful, though the number of cases suitable for such an arrangement appears to us to be small.

The overcrowded condition of the hospitals in the eastern part of the State made it necessary for the Board of Lunacy and Charity to transfer twenty-five patients from the Danvers Hospital to this, in the course of the year.

The number of patients at the beginning of the year was 476; of men, 235; of women, 241. The number admitted during the year, including those transferred, was 183; of men, 85; of women, 98. Of these, 59 were State patients, 97 town patients and 27 private patients.

The whole number under treatment during the year was 659; of men, 320; of women, 339. There were 168 patients discharged; of men, 76; of women, 92; 14 men and 12 women died. The number at the close of the year was 491; of men, 244; of women, 247. The average daily number of men, was 237.9; of women, 236.5; making a total of 474.4. Of the patients discharged 29 were reported as recovered, 10 much improved, 59 improved, 43 unimproved and 1 not insane.

The largest number on any one day in the year was 494. The smallest number on any one day was 451.

The number of patients who were discharged on probation, under the sixty days law, was 47. Of these 5 were returned before the expiration of the legal time. The remainder are included in the general number of discharges.

The number of deaths is small, being 26.

There is a small decrease from last year's number of recoveries. Some of those who were discharged as much improved and improved were able to go out into the world and resume their former life with success.

For the past fourteen years the hospital has been supplied with water from the city water works. For various reasons the amount of water required for daily use has gradually increased. The supply was brought through a four-inch pipe from the main. Several other parties drew water from the same pipe and although the supply had been hitherto adequate, yet, as a protection against fire, and in case of any sudden demand for water, it was judged best to make some changes. By arrangement with the water commissioners, a six-inch pipe was laid from the main, by way of Washington avenue, about 4,000 feet in length, at an expense of \$1,659.05, to the hospital. A four-inch branch of 400 feet was also laid to the farm buildings and two double hydrants attached. The whole number of hydrants now inside the building is 21. There are six double and four single out-

side. The large fire pump has a connection with 29 of these hydrants.

The farm is regularly increasing in productiveness under the present management. It affords occupation for patients, it gives a large supply of the best qualities of vegetables for the tables and is a source of income that is, to say the least, convenient. The necessity for larger farm buildings has been partially met in the construction of a large piggery, which consists of a main building, 190 feet long and 24 wide, and a cross wing at the south end, 80 feet in length and 20 feet wide. Midway on the front of the main building is a room for slaughtering, 20 feet square. The building is of brick with a slate roof and a concrete floor. On the site of the old piggery, a cattle shed has been erected, 128 feet long and 44 wide. It is built of wood, with a trussed roof; the upper portion is to be used as a hay loft. It has a capacity of about 100 tons. In the lower portion, a room 44 feet by 20 was made for storing farming tools. A silo has been built by taking a room, 24 feet by 20, in the poultry house and sheathing it with wood and paper, at a cost of about \$40; 75 tons of corn ensilage have been stored in it. In the basement of the rotunda of the centre building, a refrigerator, 14 feet by 12, has been put in and found exceedingly useful.

Two brick sewers, respectively 12 and 14 inches in diameter, 333 and 249 feet in length, were laid in the rear of the farm buildings.

The sanitary condition of the hospital has always been an object of special attention and we believe has been in most respects satisfactory. There has been of late years great improvement in sanitary appliances. Accordingly it was judged best to make some changes. Ten of the thirty-two water-closets in the building have been refurnished and supplied with either the McFarland automatic flushing tanks, or automatic siphon tanks; also with special ventilating pipes, extending from the vaults up into the large roof ventilators, thus ensuring an excellent draught.

Among the repairs inside of the buildings the most noticeable are the relaying of several hall floors with southern pine

and the renewal of a portion of the water pipes, which had become nearly useless after many years of service.

The improvements upon the farm have been continued. Several acres of land in the western portion have been underdrained and put in condition for tillage. A new road has been constructed in the grove north of the hospital, and one in the west grove. The latter gives a direct and level thoroughfare to the western portion of the farm. A waste tract of land, about four acres in extent, north of the hospital on Mill River, was enclosed by a fence and made into a convenient pasture for the swine. The western line fence of the Clarke orchard has been replaced by sixty rods of picket fence, after grading. The Day pasture has been cleared of several acres of brush and 200 rods of rail and stone fence constructed. Many other minor improvements have also been made.

The upper two stories of the store-house, which was erected in 1884, still remain unoccupied. In view of the crowded condition of the hospital, a plan is in contemplation of utilizing these rooms for the accommodation of patients. They are well adapted to that purpose. There are about 100,000 cubic feet of space in the two stories and with a moderate outlay they would comfortably accommodate fifty patients.

The earnings of the hospital for the year exceed those of the preceding year. The money received for the board of the different classes of patients is as follows:—

For State patients,	. . . . .	\$23,717 58
town patients,	. . . . .	45,995 65
private patients,	. . . . .	17,330 51
Total,	. . . . .	<u>\$87,043 74</u>

The financial statements for Sept. 30, 1886, is as follows:—

The reserve fund,	. . . . .	\$10,000 00
And cash assets available for future use,	. . . . .	26,610 24
Total,	. . . . .	<u>\$36,610 24</u>
And liabilities (bills payable),	. . . . .	7,903 09
Balance in favor of the hospital,	. . . . .	<u>\$28,707 15</u>

Dr. Earle retired from the office of superintendent at the close of the last fiscal year, after a most successful administration of over twenty-one years. He has continued to reside in the hospital during the year.

Dr. Nims assumed the office of superintendent at the beginning of the year, and his administration of its responsible duties has been in all respects successful and satisfactory to the Trustees.

Dr. Hall, the second assistant physician, was granted a leave of absence for one year, from September 15, to pursue his studies in Europe. Dr. Charles G. Dewey has been appointed as substitute during his absence.

No other changes have occurred during the year in the staff of officers.

A more specific exhibit of the operations of the hospital in its various departments will be found in the reports of the Superintendent and Treasurer and the accompanying tables.

LYMAN D. JAMES,
C. C. MERRITT,
S. M. SMITH,
SARAH M. BUTLER,
SARAH A. WOODWORTH,
A. C. DEANE,
HENRY W. TAFT,

Trustees.

NORTHAMPTON, Oct. 7, 1886.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1886.

Superintendent and physician,	per year, \$2,500 00
First assistant physician,	" 1,200 00
Second assistant physician,	" 800 00
Third assistant physician,	" 700 00
Treasurer,	" 300 00
Treasurer, for clerk-hire and paid to clerk,	" 200 00
Clerk,	" 1,200 00
Farmer,	" 700 00
Engineer,	" 900 00
Assistant clerk,	per month, 22 00
Supervisor (male),	" 40 00
Supervisor (female),	" 30 00
Assistant supervisor (female),	" 20 00
Seamstress,	" 20 00
Assistant seamstress,	" 15 00
Laundress,	" 18 00
Assistant laundress,	" 18 00
Assistant laundress,	" 15 00
Baker,	" 40 00
Steward,	" 58 33
Assistant steward,	" 35 00
Attendants (male) (8),	" 30 00
Attendants (male) (3),	" 23 00
Attendants (male) (2),	" 21 00
Attendants (female) (1),	" 20 00
Attendants (female) (12),	" 18 00
Attendants (female) (1),	" 16 00
Attendants (female) (3),	" 14 00
Night-watch (female),	" 18 00
Housework, centre (female),	" 15 00
Housework, centre (female),	" 14 00
Cook (female),	" 18 00

Assistant cook (male)	. . . . .	per month,	\$15 00
Assistant cooks (female) (3),	. . . . .	"	15 00
Farmers' dining room (female),	. . . . .	"	15 00
Housework, rear building (female),	. . . . .	"	10 00
Watchman,	. . . . .	"	30 00
Carpenter,	. . . . .	per day,	2 25
Carpenters (2),	. . . . .	"	2 00
Painter,	. . . . .	per month,	50 00
Assistant engineer,	. . . . .	"	32 00
Night engineer, and gardener in summer,	. . . . .	"	30 00
Coachman,	. . . . .	"	28 00
Farm hands (6),	. . . . .	"	28 00
Farm hand (1),	. . . . .	"	25 00
Farm hand (1),	. . . . .	"	23 00

In the warm season we generally hire some farm hands by the day. This year we have four, at \$1.50 per day, without board. They work mostly on improvements of the farm.

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1886.

Live stock on the farm,	\$6,457 00
Produce of the farm on hand,	10,379 10
Carriages and agricultural implements,	3,304 00
Machinery and mechanical fixtures,	8,155 00
Beds and bedding in inmates' department,	12,650 00
Other furniture in inmates' department,	4,450 00
Personal property of State in Superintendent's department,*	9,475 00
Ready-made clothing,	2,485 04
Dry goods,	3,956 57
Provisions and groceries,	3,534 02
Drugs and medicines,	800 00
Fuel,	5,272 61
Library,	1,000 00
Paints and oils,	500 00
Total,	<u>\$72,418 34</u>

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing-room and other apartments.

TREASURER'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

I hereby present my report, as Treasurer of the Hospital, for the fiscal year ending with the 30th of September, 1886. It contains, as usual, an appraisal of the property of the institution, an account of the receipts and the disbursements of money during the year, and the financial condition at its close.

ASSETS.

Three hundred and sixty-four acres of land,	\$44,000 00
Hospital building,	250,000 00
Farm house, \$2,000; brick house, \$2,000, .	4,000 00
Three dwellings (H. Day lot),	1,000 00
Storehouse and shops,	16,000 00
Two barns,	5,500 00
Horse stable,	2,000 00
Scullery and wood-house,	700 00
Lumber-house.	1,200 00
Pump-house,	1,000 00
Cart shed,	500 00
Coal-house,	300 00
Piggery,	3,000 00
Cattle-shed,	1,200 00
Fire-proof for oils and paints,	500 00
Two ice-houses,	600 00
	<hr style="width: 10%; margin-left: 0;"/> \$331,500 00

PERSONAL ESTATE.

Stock and supplies on hand, as per inventory appended to the Trustees' report,	\$72,418 34
Reserve fund,	10,000 00

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RECEIPTS.

Cash on hand Sept. 30, 1885,	\$4,589 55
Received from the State treasurer,	24,791 96
from towns,	47,158 56
from individuals,	18,478 15
from sales,	2,151 39
from interest,	676 51
	<hr/>
	\$97,846 12

PAYMENTS.

1st. Salaries and labor,	\$28,969 39
2d. Provisions and supplies, viz:—	
Meats of all kinds,	\$6,565 75
Fish of all kinds,	1,099 60
Fruit and vegetables,	1,385 19
Flour,	4,008 00
Grain and meal for table,	755 92
Grain and meal for stock,	2,134 37
Tea, coffee and chocolate,	786 37
Sugar and molasses,	1,972 43
Butter and cheese,	4,020 48
Salt and other groceries,	2,217 03
All other provisions,	781 97
	<hr/>
	25,727 11
3d. Clothing,	4,038 48
4th. Fuel and lights,	6,560 63
5th. Medicines and medical supplies,	1,691 18
6th. Furniture, beds and bedding,	3,744 77
7th. Transportation and travelling expenses,	372 34
8th. Ordinary construction and repairs,	3,032 00
9th. Extraordinary construction and repairs,	13,001 09
10th. Miscellaneous expenses, including—	
1. Farm stock,	\$1,264 15
2. Farm supplies,	3,294 82
3. Water,	1,026 86
4. Minor expenses,	1,021 75
5. Contingencies,	1,107 34
	<hr/>
	7,714 92
	<hr/>
Total expenditures,	\$94,851 91

LIABILITIES.

Salaries and wages due Oct. 1, 1886,	\$3,822 56
Miscellaneous bills due,	4,080 53
	<hr/>
	\$7,903 09

Due the institution for board, Oct. 1, 1886,—

from State,	\$6,158 58	
towns,	13,607 18	
individuals,	3,750 27	
interest,	100 00	
treasurer, Sept. 30, 1886, . . .	2,994 21	
	<hr/>	\$26,610 24

SUMMARY.

Total receipts,	\$97,846 12
Total payments,	94,851 91
	<hr/>
Cash on hand Sept. 30, 1886,	2,994 21
Total liabilities,	\$7,903 09
Total debts due the institution,	26,610 24
Total expenditures, including new buildings,	94,851 91

Dividing this sum by 474.4, the average number of patients,

we have the average expenditure per patient,	\$199.94
And the average weekly expenditure per patient,	3.845

Deducting from the total expenditures,	\$94,851 91
The extraordinary expenses,	13,001 09
	<hr/>

We have the current expenses,	\$81,850 82
-----------------------------------------	-------------

Dividing \$81,850.82 by 474.4, the average number of patients, we have the average expenditure per patient,

Making the average weekly expenditure per patient,	3.318
--------------------------------------------------------------	-------

Deducting from the current cash expenditure,	\$81,850 82
The increase of personal assets,	3,802 39
	<hr/>

We have the <i>necessary</i> cost for the year,	\$78,548 43
-----------------------------------------------------------	-------------

Dividing \$78,548.43 by 474.4, the average number of pa-

tients, we have, as the annual cost of each patient,	\$165.57
Making the average weekly cost of each patient,	3.184

EDWARD B. NIMS,

Treasurer.

NORTHAMPTON, Oct. 7, 1886.

We have examined, as auditors, the accounts of the Treasurer, and found a satisfactory voucher for every entry.

A. C. DEANE,
L. D. JAMES.

NORTHAMPTON, Oct. 7, 1886.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The Superintendent herewith presents the Thirty-first Annual Report of the Hospital and the Tables of Statistics, giving in detail the operations of the institution for the official year, 1885-86. The history of the year shows the usual round of events, a good degree of prosperity, and about the average record of results. The following table gives a summary of the numerical changes:—

1. General Statistics, 1885-86.

	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1885,	235	241	476
Admitted from the general population,	85	73	158
Transferred from the Danvers Hospital,	—	25	25
Total of admissions within the year,	85	98	183
Whole number of <i>cases</i> within the year,	320	339	659
Discharged within the year,	76	92	168
Viz.: as recovered,	10	19	29
much improved,	8	2	10
- improved,	23	36	59
unimproved,	20	23	43
not insane,	1	—	1
Deaths,	14	12	26
Patients remaining Sept. 30, 1886,	244	247	491
Viz.: supported as State patients,	81	61	142*
town patients,	130	152	282
private patients,	33	34	67
Number of different <i>persons</i> within the year,	313	334	647
Persons admitted,	80	96	176
recovered,	10	19	29
Daily average number of patients,	237.9	236.5	474.4

* On the 1st of October, 1886, one man was transferred from State to town charge. Hence the new year will begin with—

State patients,	80 + 61 = 141
Town patients,	131 + 152 = 283

The number of cases under treatment during the year was 659, which is larger by 60 than in the preceding year, and larger by 30 than in any former year. The number of admissions was 183, including 25 patients transferred from the Danvers hospital. The number of patients admitted from the general population is 158, which is larger by 16 than in any preceding year. Among the causes which produced this increase, we may reasonably include the general increase of population in the western part of the state, and the tendency among a large class of recurrent cases to become chronic and incurable.

The average daily population of the hospital is a little less than in the last year. This was caused by the unusual number of removals to various almshouses in the early part of the year, and to the removal of patients by the Board of Lunacy and Charity, for the purpose of boarding out in families. The largest number of patients on any one day was 494; the smallest, 451. Two men and three women were committed twice, and one man three times. Hence the number of *persons* admitted was 176. Of the 183 admissions, 47 had been previously under treatment in the hospital, 28 of these were second admissions, 7 were third admissions, 3 were fourth admissions, 2 were fifth, 3 were sixth, one was the ninth, one the thirteenth, one the fourteenth and one the seventeenth.

Fifteen of those admitted were suffering from acute disease at the time of admission, 17 were suicidal, 8 were in a bruised or maimed condition, 12 were cases of epilepsy, 8 of paresis or general paralysis of the insane, 4 gave evidence of syphilitic diseases and 26 were homicidal.

Of those discharged not recovered, 33 were removed to almshouses, 16 were sent out to board in families, 41 were taken to their homes, 13 removed from the state, one eloped, and one was discharged as not insane.

STATUS OF PATIENTS.

Of the 183 patients admitted, 59 were supported by the State, 97 by cities and towns, and 27 by individuals.

Of the 168 patients who were discharged, including those

who died, 67 were supported by the State, 82 by cities and towns, 19 by individuals.

Of those remaining Sept. 30, 1886, 142 are charged to the State, 282 to cities and towns and 67 are supported by individuals.

Of the whole number of cases treated during the year, 213 were State patients, 359 were town patients and 87 were private patients.

The following table is inserted, showing the weekly average number in each class for two years past; also the relative change in status of the last year as compared with the year previous to the last.

	1884-85.			1885-86.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, . . .	82.29	72.15	154.44	80.56	59.67	140.23
Town patients, . . .	118.48	143.10	261.58	124.73	145.79	270.52
Private patients, . . .	32.62	27.20	59.82	32.44	31.17	63.61

RECOVERIES.

The primary object of the hospital is the cure of patients. When we look at the comparatively small number of those who are regarded as completely recovered, the result hardly appears to be a sufficient compensation for the great amount of labor and expense involved. We must take into account those patients in whom the improvement approaches nearly to recovery, also the larger number whose mental and physical condition is bettered by their residence in the hospital.

Of the 183 patients who were admitted during the year about one-fourth were regarded as curable. The number of recoveries reported for the year is 29. No one was discharged as recovered more than once.

Of the 135 patients who were admitted for the first time during the year, 12 were discharged as recovered. Of the second admissions, 3.

The ratio of recoveries to the number admitted was 15.8 per cent.

The ratio of recoveries to the number of discharges was 17.2 per cent.

The ratio of recoveries to the average daily population was 6 per cent.

The ratio of recoveries to the number discharged, exclusive of deaths, was 20 per cent.

DISCHARGE ON PROBATION.

Forty-one patients have been discharged on trial for sixty days or less. Of these 36 were fully discharged at the end of the sixty days, and 5 were returned before the expiration of the time. One has been recommitted since her discharge.

Of the 41 thus discharged, 2 were removed to almshouses, 12 were boarded out in families, and 27 went to their homes. Of the latter number 23 have remained at home until the present time.

This plan of discharge relieves the Superintendent of difficulties which have stood in the way of the removal of doubtful cases. It also facilitates the removal of cases which would otherwise remain in the hospital, particularly among those patients who have friends who are able and disposed to care for them. The change in associations and surroundings is undoubtedly sometimes beneficial, and the desire to return home becomes an incentive to self-control. Hence such a discharge often becomes a part of the treatment.

DEATHS.

The rate of mortality for the year past has been below the average. The total number of deaths was 26. The larger number, 16, died from the effects of chronic diseases. Of these 7 died of consumption, 3 of general paralysis of the insane, and 2 of paralysis, one of chronic brain disease, one of protracted heart disease, and 2 of epilepsy.

Eight persons died of diseases which were wholly or partly acute in character. One death occurred as a result of erysipelas, one of pneumonia, and one from exhaustion of acute mania, in persons who were much enfeebled by long con-

tinued ill health. One death resulted from pneumonia which was contracted before admission to the hospital, from exposure while in a debauch. The second death from exhaustion of acute mania occurred in a patient who was much debilitated by the excessive use of morphine.

One death followed the operation of litholapaxy. A phosphatic calculus weighing 1,948.54 grains was removed from the bladder. The post mortem examination revealed serious chronic disease which, without doubt, contributed largely to his death.

One woman, who had been for years an invalid, died of malarial fever. Typhomania following puerperal fever was the cause of one death. Two patients, who were respectively 80 and 83 years of age, were reported as dying of old age, there being no other apparent cause.

No suicide occurred during the year; neither was there any epidemic, if we except a few cases of mild malarial attacks.

The rate per cent. of deaths, reckoned on the daily average of population, was 5.48. On the whole number of cases, 3.94 per cent. This is the smallest ratio except one in the history of the hospital. The average per cent. on the daily population for the past ten years is 6.26.

Of the 26 persons who died, 6 were supported by the State, 17 by towns and cities and 3 by individuals. The following table gives a concise statement of the ratios of mortality from the opening of the hospital:—

Deaths and their Ratios from Sept. 30, 1858, to Oct. 1, 1886.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Aver- age No. of Patients.	DEATHS.			Per cent. on Whole No. of Patients treated.	Per cent. on Daily Aver- age No. of Patients.
			Men.	Women.	Total.		
1858-59, .	313	229.55	7	12	19	6.07	8.27
1859-60, .	398	255.96	9	18	27	6.78	10.54
1860-61, .	434	314.26	15	15	30	6.91	9.54
1861-62, .	442	313.80	9	10	19	4.29	6.05
1862-63, .	470	355.28	19	7	26	5.53	7.31
1863-64, .	475	357.63	17	30	47	9.89	13.14
1864-65, .	469	342.40	17	24	41	8.76	11.97
1865-66, .	488	376.35	18	13	31	6.35	8.23
1866-67, .	543	401.03	23	24	47	8.65	11.71
1867-68, .	565	413.41	25	18	43	7.61	10.40
1868-69, .	590	405.10	13	12	25	4.23	6.17
1869-70, .	604	408.83	22	11	33	5.46	8.07
1870-71, .	616	421.90	16	12	28	4.54	6.64
1871-72, .	619	428.72	19	18	37	5.97	8.63
1872-73, .	614	437.23	13	8	21	3.42	4.80
1873-74, .	626	469.54	14	11	25	3.99	5.32
1874-75, .	629	475.35	23	18	41	6.52	8.62
1875-76, .	629	474.21	18	19	37	5.88	7.80
1876-77, .	603	476.16	21	21	42	6.96	8.82
1877-78, .	551	442.43	14	9	23	4.17	5.19
1878-79, .	535	436.73	14	9	23	4.29	5.27
1879-80, .	559	450.51	17	12	29	5.19	6.44
1880-81, .	569	451.79	16	10	26	4.57	5.75
1881-82, .	587	461.66	24	14	38	6.47	8.23
1882-83, .	606	466.76	17	13	30	4.95	6.42
1883-84, .	605	463.05	12	13	25	4.13	5.39
1884-85, .	599	475.94	16	11	27	4.51	5.67
1885-86, .	659	474.4	14	12	26	3.94	5.48

WORSHIP AND ENTERTAINMENT.

The following table exhibits the character of the exercises at the assemblies of patients during the year : —

Exercises in Chapel.

1. ON THE SABBATH, —

Divine worship, 52 days.

2. ON SECULAR EVENINGS, —

(a) *Readings and Recitations, opened and closed with music.*

The Bible, 5 days.

The Bible and selections of poetry, 43 "

The Bible and selections of poetry and prose, 2 "

• The Bible and recitations, 2 "

Miscellaneous selections of prose, 77 "

Miscellaneous selections of poetry, 27 "

Miscellaneous selections of prose and poetry, 61 "

Recitations of poetry, 1 "

(b) Lectures :—

Missionary work in India,	1 day.
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(c) Other Entertainments :—

Peak Sisters,	1 "
District school,	1 "
Pictures shown with the stereopticon,	7 "
Concerts,	. . . . .	2 "
Ventriloquism,	1 "

(d) Social Assemblies :—

Quadrille parties,	20 "
No assembly,	62 "

Total,	365 days.
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The exercises were omitted two evenings in a week during the three summer months, on the evenings of days in which official visits were made to the hospital, also seven evenings because the chapel was occupied by the painters.

Religious service has been held regularly on Sabbath afternoons. The average attendance at these services was 279, the smallest 261 and the largest 299. The value of these daily assemblies, when properly conducted, cannot be disputed. They relieve the monotony of hospital life. They are a valuable means of discipline, where a moderate incentive turns the scale in favor of good order and self-respect. They afford mental stimulus to those who are benumbed and inactive. They are, in fact, a valuable means of education to the insane.

FARM.

The season has been generally favorable for the farm. A short drouth in the early summer delayed the growth of some of the crops. The results are, however, good. The amount of the products are larger than ever before.

The farm contains about 364 acres. There are nearly 100 acres that have not been tilled, which can be reclaimed. The increase in the products is partly owing to the improvement of this land and to a higher cultivation of other parts of the farm.

The farm yearly proves itself to be a valuable adjunct to the hospital by affording healthful labor to many able-bodied patients, by furnishing a large amount of fruit and vegetables

of the best quality, and lastly because it is a source of considerable profit. The increase in the hay crop over last year was eighteen tons. The following table gives the yearly amount:—

1864, estimated, . . . 40 tons.	1876, weighed, . . . 111 tons.
1865, " . . . 62 "	1877, " . . . 154 "
1866, " . . . 42 "	1878, " . . . 179 "
1867, weighed, . . . 82 "	1879, " . . . 144 "
1868, " . . . 86 "	1880, " . . . 154 "
1869, " . . . 91 "	1881, " . . . 213 "
1870, " . . . 74 "	1882, " . . . 170 "
1871, " . . . 75 "	1883, " . . . 197 "
1872, " . . . 91 "	1884, " . . . 174 "
1873, " . . . 84 "	1885, " . . . 251 "
1874, " . . . 120 "	1886, " . . . 269 "
1875, " . . . 100 "	

There is also an increase in the product of pork. Fifty-eight hogs were slaughtered, the total weight of which was 21,503 pounds. The heaviest weighed 800 pounds. The average weight was 370 pounds.

It is expected that the new and large piggery which has been constructed in the past year will increase this product still further, and enable us to utilize the waste food of the hospital more completely. The following table gives the amount of the yearly product of pork:—

Pork Raised upon the Farm.

1865, . . . 6,265 pounds.	1876, . . . 12,467 pounds.
1866, . . . 5,443 "	1877, . . . 13,605 "
1867, . . . 7,416 "	1878, . . . 14,451 "
1868, . . . 7,791 "	1879, . . . 13,569 "
1869, . . . 8,469 "	1880, . . . 14,729 "
1870, . . . 7,447 "	1881, . . . 15,610 "
1871, . . . 7,863 "	1882, . . . 14,414 "
1872, . . . 11,366 "	1883, . . . 15,612 "
1873, . . . 10,511 "	1884, . . . 10,192* "
1874, . . . 12,024 "	1885, . . . 17,544 "
1875, . . . 12,693 "	1886, . . . 21,503 "

* Quantity diminished by disease.

The quantity of milk produced during the year is 26,882 gallons. One-third of this amount is entered in the list of products, as it is judged that the other two-thirds have been charged to the farm in other ways.

About five acres of fodder-corn were planted and have been harvested and put in a silo for use. The ensilage is estimated at seventy-five tons. The ease with which this is produced was the main inducement which led to the experiment.

The amounts of some vegetables given are according to the present estimate, as they are not yet harvested.

The usual purchases of cattle and sheep for slaughtering were made. In this way we can supply the hospital with beef and mutton of good quality at low rates.

List of Products in 1886.

Hay (first growth of home farm), 164 $\frac{7}{8}$ tons, at \$16,	\$2,638 00
Hay (south lot), 31 $\frac{5}{8}$ tons, at \$16,	506 00
Hay (Clarke orchard), 18 $\frac{5}{8}$ tons, at \$16,	300 00
Hay (after-growth of whole farm), 53 $\frac{7}{8}$ tons, at \$16,	862 00
Corn fodder, dry, 27 tons,	162 00
Corn, 540 bushels	243 00
Potatoes, 2,776 bushels,	1,665 60
Broom-seed, 25 bushels,	10 00
Broom-brush, 600 pounds,	60 00
Carrots, 300 bushels,	120 00
Sugar beets, 1,566 bushels,	469 80
Beets, 50 bushels,	25 00
Onions, 250 bushels,	129 60
Turnips, 500 bushels,	200 00
Parsnips, 70 bushels,	42 00
Beans (Lima), in shell, 139 bushels,	208 50
Beans (common), in shell, 38 bushels,	38 00
Beans (string), 22 bushels,	44 00
Beans (Lima), dry, 8 bushels,	24 00
Beans (common), dry, 2 bushels,	3 00
Pease (green), in pod, 95 $\frac{1}{2}$ bushels,	191 00
Sweet corn (green), in ear, 272 bushels,	272 00
Tomatoes, 207 $\frac{1}{2}$ bushels,	207 50
Lettuce, 102 $\frac{1}{2}$ bushels,	102 50
Cucumbers, 110 $\frac{1}{2}$ bushels,	110 50
Squashes (summer), 73 bushels,	73 00
Squashes (winter), 5 $\frac{3}{5}$ tons,	154 50
Melons, 8,713 pounds,	87 13
Asparagus, 22 $\frac{1}{2}$ bushels,	67 50

Pie-plant, 45½ bushels,	\$45 50
Beet greens, 9½ bushels,	9 50
Spinach, 24 bushels,	24 00
Cabbages, 3,100 heads,	155 00
Currants, 23 bushels,	46 00
Apples, 1,442 barrels,	1,658 30
Pears, 43½ bushels,	43 50
Quinces, 8 bushels,	20 00
Grapes, 250 pounds,	10 00
Veal (raised here), 227 pounds,	26 54
Pork, 21,503 pounds,	1,162 15
Pigs, sold, 238,	570 25
Pigs (roasting), 6,	15 00
Turkeys, 75¼ pounds,	16 96
Chickens, 1,068¾ pounds,	215 29
Heads and plucks, 12,	9 80
Eggs, 536½ dozen,	93 90
Milk (grass-fed), 8,960⅔ gallons,	2,118 09
Cider, 150 barrels,	225 00
Calfskins, 2,	2 50
Young calves, sold, 17,	48 00
Wood, 68 cords,	170 00
Lumber, 15,000 feet,	180 00
Fence posts, 260,	52 00
Corn husks, 1½ tons,	45 00
Citron, 500 pounds,	5 00
Ensilage, 75 tons,	262 50
	<hr/>
	\$16,245 91

HOW THE HOSPITAL IS SUPPORTED.

The following financial exposition is the same that was published in the annual report for 1884–85, with the exception of changes necessary for its adaptation to present circumstances.

Although a State institution, this hospital has received no gratuitous assistance from the State since the spring of 1867. Since that time it has relied for its income solely upon the products of its farm, the board bills of its patients, and the small sum of \$10 each for the funeral expenses of State patients who die in the hospital and whose remains are not removed for burial. The receipts from the last mentioned source during the past year were only \$45.

For the entire support of State patients, including clothing and all loss from breakage and other kinds of destruction, the hospital received \$3.50 each per week from the

treasury of the Commonwealth, from April 1, 1870, to April 1, 1879. For one year after the latter date it received but \$3 each per week; and since April 1, 1880, it has received \$3.25 each per week. This is a compensation fixed by statute law. One hundred and forty-two, or more than one-third of the inmates, now belong to this class. During the past year the weekly average of them was 29.56 per cent. of the whole.

For town patients it has received, and now receives, from the treasuries of the towns, respectively, in which these patients have legal settlements, the same sum per week (\$3.25 each) as from the State treasury for State patients; but the towns clothe their patients and remunerate the hospital for damages done by them. Two hundred and eighty-two of the inmates are now in this class. The weekly average of them for the year was 57.02 per cent. of the whole.

For private patients there is no uniform price. The average pay from all who were here Sept. 30, 1886, was \$5.175 each per week. Clothing and damages are extra charges. The weekly average of these patients during the past year was a fraction over 13 per cent. of the whole.

The average weekly pay per capita charged by the hospital for all its patients, — State, town and private, — in the course of the year, is \$3.528. Such are the pecuniary resources of the institution. We turn to the results of

THE FINANCE OF THE LAST TWENTY-ONE YEARS.

In April, 1865, the hospital was freed from debt, and the financial statement at the close of that month showed a balance of \$302.04 in its favor. Between that time and the first of June, 1867, it received a direct bonus from the State of \$5,000, in two appropriations, for specific purposes, — one of \$2,000 and the other of \$3,000.

As an offset to the \$5,000 bonus, the hospital has purchased and paid for several lots of land, amounting to nearly one hundred and seventy-five acres, together with four dwelling-houses. The total cost of this real estate was \$30,883.92. The State then has, in this way alone, been overpaid for its bonus in the sum of \$25,883.92.

The amount paid by the hospital for repairs and improvements in the course of the last year is \$16,033.09; in the course of the twenty-one years, from Sept. 30, 1865, to Sept. 30, 1886, is \$249,735.53.

The surplus of cash assets now on hand, including the reserve fund, is \$28,707.75, or \$28,405.71 larger than it was on the 30th of April, 1865.

The purchased provisions and supplies, including fuel and stored clothing now on hand, are estimated to have cost \$15,248.24. The estimated value of similar supplies on the 30th of April, 1865, was \$2,500. The increase of assets under this head is, therefore, \$12,748.24.

The value of household furniture in the hospital is, at a low estimate, at least \$10,000 greater than it was on the 30th of April, 1865, at the same rate or standard of appraisal. To be certain, however, of no exaggeration, let it be called \$8,000. Collecting these several sums, the account of debit of the Commonwealth to the hospital appears to be as follows:—

Excess of cost of land over direct bonus,	\$25,883 92
Repairs and improvements,	249,735 53
Excess of present cash assets,	28,405 71
Increase of provisions and supplies,	12,748 24
Increase of furniture,	8,000 00
Total,	<u>\$324,773 40</u>

The necessary current repairs of the building may be estimated at \$3,000 annually. Deducting this sum for each of the twenty-one years since Sept. 30, 1865, a total of \$63,000, there is a remainder of \$261,773.40. To this amount, then, has the hospital assisted itself to things, for most of which it is generally expected that such institutions will rely upon direct appropriations from the treasury of the Commonwealth.

In the preparation of this summary we have taken into account only the actual disbursements of money by the hospital in contributing to its own improvements. But aside from this a large amount of work in effecting those improvements was performed by the teams of horses and cattle belonging to the institution and by the regular corps of its

employees. Agreeably to all correct business principles, as well as to the custom at some similar institutions, the hospital should be credited with the amount of the value of this labor. But no credit has ever been given for it. Many thousands of dollars might, in this direction, be justly added to the sum above mentioned, as the product of the efforts of the hospital in the promotion of its own material progress.

In connection with the above exposition, it may be interesting to know to what extent the tax-payers of the State have contributed to the institution. From a list, furnished by the State treasurer, of all the appropriations made either for the construction, the repairs, or the improvements of the hospital, I find that, from the time of the passage of the act authorizing its erection down to the present day, it has cost the people of the Commonwealth only three hundred and seventy-five thousand five hundred and fifty dollars (\$375,550).

CHRONOLOGY OF THE HOSPITAL.

[N. B. The years are the calendar years, and not the official years of the hospital.]

1885—*Continued.* A large stone under-drain was laid in the ravine south of the ice-pond, and the ravine filled by grading.

1886. Ten water-closets in the north wing and centre building were remodelled and furnished with new and improved apparatus.

Seven hall floors of the north wing were relaid.

A large refrigerator was constructed in the basement of the rotunda.

Four hundred and fifty feet of four-inch water pipe was laid to supply the farm buildings and hydrants.

A new brick piggery, two hundred and seventy feet in length, with slaughter-house, was erected.

The old piggery was removed, and a cow-shed, with a hay-loft over it, 128 feet by 44, was built on the same site.

Two brick sewers, extending down the bank in the rear of the barns, respectively 333 and 294 feet in length, were built.

A new road was made through the grove in the Fowle lot, opening a direct route to the western part of the farm.

One-half of the poultry-house was made into a silo and filled.

A new poultry-house was made from the shed which stood adjacent to the large barn.

ACKNOWLEDGMENTS.

The hospital is under obligations, to ladies and gentlemen from Northampton, for the play of the "Peak Sisters," and for a representation of the "District School," also to the Banjo Club of Smith College for a concert; to Mr and Miss

Brown for a concert; to Mr. G. W. Leitch for a lecture on missionary work in India, illustrated by the stereopticon; and to Dr. T. W. Meekins for exhibitions of stereoscopic views.

A generous Christmas box was received from Miss Florence Austin, also a quantity of illustrated papers. A supply of magazines from Mrs. S. M. Butler. Many patients received presents from Mrs. Butler and Mrs. Woodworth. A supply of newspapers from S. E. Bridgman, Esq., and from the publishers of the "Christian Register" and the "Staaten Zeitung," for one copy of those papers throughout the year.

CONCLUSION.

At the close of the year we look back to observe what changes have occurred. The most noticeable was the retirement of Dr. Earle from the office of Superintendent at the beginning of the year. He was elected to the position July 2, 1864, and was therefore at the head of the institution for twenty-one years and three months. Only those who were associated with him can have an adequate idea of the vast amount of labor which was required to bring the institution up to its present standard. By strict economy and careful management he placed and kept the hospital upon a sound financial basis. He instituted and maintained order and thorough discipline in all departments. His methods and example furnish a valuable precedent for all who may follow him.

Several changes have occurred among those employed in the hospital. Three men and three women have left the service who were attendants. No attendant has been discharged for cause.

The labors and responsibilities of the year have been lessened by the generous support of the Board of Trustees, and by the assistance of those with whom I am associated.

In the midst of all our duties and cares, it is well to remember that "Sincere work well done is the beauty and fullness of life."

EDWARD B. NIMS.

October 7, 1886.

APPENDIX.

2.* Monthly Admissions, Discharges and Averages.

MONTHS.	ADMISSIONS.			DISCHARGES (including Deaths.)			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
1885.									
October, . . .	5	10	15	7	5	12	235.74	244.94	480.68
November, . . .	5	5	10	4	20	24	231.36	236.07	467.43
December, . . .	7	6	13	7	8	15	234.52	233.22	467.74
1886.									
January, . . .	4	6	10	4	8	12	234.1	228.35	462.45
February, . . .	4	2	6	2	10	12	234.71	218.89	453.6
March, . . .	7	24	31	3	5	8	237.26	228.09	465.35
April, . . .	11	5	16	11	10	21	238.07	238.23	476.3
May, . . .	12	5	17	6	5	11	241.55	234.	475.55
June, . . .	8	14	22	13	4	17	241.53	235.7	477.23
July, . . .	9	6	15	7	3	10	241.22	244.42	485.64
August, . . .	5	9	14	6	8	14	241.64	247.23	488.87
September, . . .	8	6	14	6	6	12	242.9	247.56	490.46
Total of cases, . . .	85	98	183	76	92	168	-	-	-
Total of persons, . .	80	96	176	73	92	165	-	-	-
Daily average for the year, . . .	-	-	-	-	-	-	237.9	236.5	†† 474.4

* For Table No. 1, see the beginning of the Superintendent's report.

† These totals were obtained by a division of the sums of daily residence for the year by 365, the number of days in the year.

‡ One man admitted, and one man discharged, as *not insane*, are not included in the following tables.

3. Received on First and Subsequent Admissions.

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Total.	Males.	Females.	Total.
First,	62	73	135	-	-	-
Second,	13	15	28	3	8	11
Third,	2	5	7	1	1	2
Fourth,	2	1	3	3	-	3
Fifth,	1	1	2	-	4	4
Sixth,	2	1	3	6	-	6
Ninth,	-	1	1	-	7	7
Thirteenth,*	1	-	1	-	-	-
Fourteenth,*	1	-	1	4	-	4
Seventeenth,	-	1	1	-	11	11
Total of cases,	84	98	182	17	31	48
Total of persons,	79	96	175	7	13	20

* The thirteenth and fourteenth admissions were of the same *person*. Hence his previous recoveries are inserted only after the last admission.

4. *Ages of Persons Admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital,	—	2	2	—	—	—
Fifteen years and less,	2	2	4	—	—	—
From 15 to 20 years,	3	4	7	3	5	8
20 to 25 years,	12	8	20	12	3	15
25 to 30 years,	8	9	17	8	8	16
30 to 35 years,	6	6	12	9	11	20
35 to 40 years,	8	4	12	9	6	15
40 to 50 years,	8	11	19	11	17	28
50 to 60 years,	4	9	13	6	13	19
60 to 70 years,	2	5	7	2	4	6
70 to 80 years,	1	2	3	2	5	7
Over 80 years,	—	—	—	—	1	1
Unknown,	8	11	19	—	—	—
Total of persons,	62	73	135	62	73	135

5. *Parentage of Persons Admitted.*

PLACES OF NATIVITY.	MALES.		FEMALES.		TOTALS.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine,	1	1	—	1	1	2
New Hampshire,	—	—	2	2	2	2
Vermont,	4	2	1	4	5	6
Massachusetts,	20	23	20	18	40	41
Rhode Island,	—	—	—	1	—	1
Connecticut,	5	4	7	4	12	8
New York,	5	6	3	3	8	9
Pennsylvania,	—	—	—	1	—	1
Virginia,	—	1	—	—	—	1
South Carolina,	—	1	—	—	—	1
Canada,	4	4	1	1	5	5
Cape Breton Island,	1	1	—	—	1	1
England,	—	—	3	3	3	3
Scotland,	2	2	2	2	4	4
Ireland,	28	26	38	37	66	63
Wales,	1	—	—	—	1	—
France,	1	1	—	—	1	1
Germany,	4	4	4	4	8	8
Italy,	1	1	—	—	1	1
Sweden,	—	—	3	3	3	3
Unknown,	2	2	12	12	14	14
Total of persons,	79	79	96	96	175	175

6. *Residence of Persons Admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	15	13	28
Hampden County,	35	35	70
Berkshire County,	17	10	27
Franklin County,	10	11	21
Worcester County,	1	1	2
Suffolk County,	1	11	12
Norfolk County,	—	1	1
Middlesex County,	—	9	9
Essex County,	—	5	5
Total of persons,	79	96	175
Cities or large towns,*	43	58	101
Country districts,	36	38	74
Total of persons,	79	96	175

* Containing not less than 10,000 inhabitants.

7. *Civil Condition of Persons Admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,	40	28	68	19	29	48	3	15	18	—	1	1
Second,	9	8	17	1	5	6	1	1	2	—	—	—
Third,	—	2	2	1	2	3	—	—	—	—	—	—
Fourth,	—	—	—	1	—	1	1	1	2	—	—	—
Fifth,	—	1	1	—	—	—	—	—	—	—	—	—
Sixth,	—	—	—	2	1	3	—	—	—	—	—	—
Ninth,	—	—	—	—	—	—	—	1	1	—	—	—
Fourteenth,	1	—	1	—	—	—	—	—	—	—	—	—
Seventeenth,	—	1	1	—	—	—	—	—	—	—	—	—
Total of persons,	50	40	90	24	37	61	5	18	23	—	1	1

8. *Occupation of Persons Admitted.*

OCCUPATIONS.		Males.	OCCUPATIONS.		Females.
Armorer,	1		Box maker,	1	
Baker,	2		Carpenter's daughter,	1	
Brass moulder,	1		Domestic,	12	
Box maker,	1		Farmer's wife,	2	
Carpenter,	2		Hotel clerk's wife,	1	
Coffin maker,	1		Housekeeper,	19	
Cigar maker,	1		Insurance agent's wife,	1	
Farmer,	13		Laborer's wife,	8	
Insurance clerk,	1		Laundress,	1	
Iron moulder,	1		Lace worker,	1	
Laborer,	24		Mechanic's wife,	1	
Manufacturer,	1		Mill operative's wife,	2	
Mechanic,	3		Mill operative,	10	
Machinist,	2		Nurse,	1	
Marketman,	1		No occupation,	16	
Musician,	1		Paper maker's wife,	1	
Mill operative,	2		Railroad conductor's wife,	1	
No occupation,	5		Seamstress,	4	
Paper maker,	3		Shoe stretcher,	1	
Polisher,	1		Shoemaker's wife,	1	
Peddler,	1		Slater's wife,	1	
Student,	2		Tailoress,	1	
Shoemaker,	1		Unknown,	5	
Stonecutter,	2		Worsted worker,	1	
Spinner,	1		Weaver,	2	
Tinsmith,	1				
Wire maker,	1				
Weaver,	3				
			Total of <i>persons</i> ,		96
Total of <i>persons</i> ,	79				

9. *Reported Duration of Insanity before Last Admitted.*

PREVIOUS DURATION.	FIRST ADMISSION TO THIS HOSPITAL.			ALL OTHER ADMISSIONS.*			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	—	2	2	—	—	—	—	2	2
Under 1 month,	17	3	20	—	—	—	17	3	20
From 1 to 3 months,	9	7	16	—	—	—	9	7	16
3 to 6 months,	2	5	7	—	—	—	2	5	7
6 to 12 months,	6	2	8	1	1	2	7	3	10
1 to 2 years,	7	9	16	3	—	3	10	9	19
2 to 5 years,	5	18	23	2	9	11	7	27	34
5 to 10 years,	5	10	15	3	4	7	8	14	22
10 to 20 years,	2	5	7	5	5	10	7	10	17
Over 20 years,	2	1	3	2	5	7	4	6	10
Unknown,	7	11	18	6	1	7	13	12	25
Total of cases,	62	73	135	22	25	47	84	98	182
of persons,	62	73	135	17	23	40	79	96	175
Average of known cases,	Year 2 $\frac{2}{5}$	Year 3 $\frac{13}{16}$	Year 3 $\frac{2}{23}$	Year 9 $\frac{17}{32}$	Year 10 $\frac{9}{16}$	Year 10 $\frac{5}{32}$	Year 4 $\frac{2}{94}$	Year 5 $\frac{31}{42}$	Year 4 $\frac{21}{31}$

* In this division of the table the whole period of time, from the first attack to the last admission, is indicated. Two patients have been admitted for the first and second time within the year, and hence are reckoned in each division. Three other patients were admitted twice, and each admission is reckoned in the second division. The congenitals are not included.

10. *Form of Disease in the Cases Admitted.*

FORM OF DISEASE.	Males.	Females.	Totals.
Epilepsy acquired,	7	4	11
General paralysis of the insane,	4	—	4
Mania, acute,	36	17	53
chronic,	14	27	41
recurrent,	4	6	10
a potu,	6	1	7
puerperal,	—	5	5
senile,	1	—	1
Melancholia, acute,	5	11	16
chronic,	—	4	4
recurrent,	1	—	1
puerperal,	—	1	1
Dementia, primary,	5	12	17
secondary,	1	5	6
senile,	—	4	4
Inebriate,	—	1	1
Total of cases,	84	98	182
of persons,	79	96	175

11. *Probable Causes of Insanity in Persons Admitted.*

CAUSES.	Males.	Females.	Totals.
<i>Physical.</i>			
Ill-health,	3	16	19
Epilepsy,	7	5	12
Intemperance,	20	2	22
Overwork,	8	6	14
Overwork and ill-health,	—	1	1
Change of life,	—	2	2
Change of life and ill-health,	—	2	2
Old age,	—	2	2
Old age and sunstroke,	—	1	1
Heredity,	2	1	3
Masturbation,	6	1	7
Injury,	3	1	4
Morphine,	1	1	2
Puerperal,	—	6	6
Syphilis,	1	—	1
Hysteria,	—	1	1
Paresis,	5	—	5
Paralysis,	—	2	2
Congenital,	1	3	4
Total of physical,	57	53	110
<i>Mental.</i>			
Trouble,	2	2	4
Business trouble,	2	2	4
Domestic trouble,	2	1	3
Loss of friends,	—	2	2
Mental shock,	—	1	1
Religious excitement,	1	1	2
Total of mental,	7	9	16
Total of physical,	57	53	110
Unknown,	15	34	49
Total of persons,	79	96	175

12. *Relation to Hospitals of Persons Admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital,	59	40	99
Former inmates of this hospital,	18	22	40
Former inmates of other hospitals in this State,	—	26	26
Former inmates of hospitals in other States,	1	4	5
Former inmates of this hospital and of hospitals in other States,	—	1	1
Former inmates of other hospitals in this State, and of hospitals in other States,	—	1	1
Former inmates of foreign hospitals,	—	1	1
Former inmates of this hospital and of foreign hospitals,	—	1	1
Former inmate of hospital in Montreal,	1	—	1
Total of <i>persons</i> ,	79	96	175

13. Discharges Classified by Admission and Result.

ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	8	13	21	6	1	7	17	26	43	14	16	30	11	12	23	56	68	124
Second,	1	4	5	-	-	-	5	5	10	5	5	10	2	-	2	13	14	27
Third,	-	1	1	1	-	1	-	2	2	1	-	1	1	-	1	3	3	6
Fourth,	1	1	2	-	-	-	-	1	1	-	1	1	-	-	-	1	3	4
Fifth,	-	-	-	1	-	1	-	2	2	-	-	-	-	-	-	1	2	3
Sixth,	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1
Thirteenth,	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
Sixteenth,	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Total of cases,	10	19	29	8	2	10	23	36	59	20	23	43	14	12	26	75	92	167
Total of persons,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72	92	164

14. *How Supported.*

SUPPORTED AS—	PATIENTS ADMITTED.			WEEKLY AVERAGE OF THE YEAR.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, . . .	34	25	59	80.56	59.67	140.23
Town patients, . . .	42	55	97	124.73	145.79	270.52
Private patients, . . .	9	18	27	32.44	31.17	63.61
Total of cases, . . .	85	98	183	237.73	236.63	474.36*

* This weekly average is 4.100 less than the daily average 474.4.

15. *Cases Discharged Recovered — Duration.*

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 month, . . .	6	5	11	2	2	4	—	—	—
From 1 to 3 months, . . .	3	3	6	6	3	9	5	2	7
3 to 6 months, . . .	1	2	3	1	6	7	4	3	7
6 to 12 months, . . .	—	2	2	1	5	6	—	4	4
1 to 2 years, . . .	—	3	3	—	2	2	1	5	6
2 to 5 years, . . .	—	2	2	—	1	1	—	3	3
5 to 10 years, . . .	—	—	—	—	—	—	—	—	—
10 to 20 years, . . .	—	1	1	—	—	—	—	1	1
Over 20 years, . . .	—	—	—	—	—	—	—	—	—
Unknown, . . .	—	1	1	—	—	—	—	1	1
Total of cases, . . .	10	19	29	10	19	29	10	19	29
Total of persons, . . .	10	19	29	10	19	29	10	19	29
Average of known cases (in months), . . .	1 $\frac{4}{25}$	15 $\frac{1}{9}$	10 $\frac{1}{4}$	2 $\frac{31}{50}$	7 $\frac{11}{36}$	5 $\frac{12}{29}$	3 $\frac{3}{4}$	21 $\frac{3}{4}$	15 $\frac{7}{14}$

16. Cases Resulting in Death—Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	—	—	—	—	—	—	—	—	—
Under 1 month,	2	—	2	2	2	4	1	—	1
From 1 to 3 months,	1	2	3	1	—	1	1	2	3
3 to 6 months,	2	2	4	2	1	3	1	—	1
6 to 12 months,	—	1	1	1	1	2	1	—	1
1 to 2 years,	2	2	4	2	1	3	1	—	1
2 to 5 years,	2	3	5	—	2	2	2	2	4
5 to 10 years,	1	1	2	4	4	8	1	4	5
10 to 20 years,	1	1	2	1	—	1	1	3	4
Over 20 years,	—	—	—	1	1	2	2	1	3
Unknown,	3	—	3	—	—	—	3	—	3
Totals,	14	12	26	14	12	26	14	12	26
Average of known cases (in months),	35 $\frac{7}{33}$	31 $\frac{2}{3}$	33 $\frac{8}{23}$	64 $\frac{13}{14}$	66 $\frac{5}{24}$	65 $\frac{19}{26}$	100 $\frac{1}{2}$	97 $\frac{7}{8}$	99 $\frac{3}{23}$

17. Cases Discharged by Recovery or Death.

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Epilepsy acquired,	—	—	—	2	—	2
General paralysis of the in- sane,	—	—	—	2	—	2
Mania, acute,	5	8	13	2	—	2
chronic,	—	—	—	5	6	11
recurrent,	—	6	6	1	—	1
a potu,	2	—	2	1	—	1
puerperal,	—	1	1	—	1	1
Melancholia, acute,	2	3	5	—	1	1
recurrent,	1	—	1	—	—	—
Dementia, primary,	—	—	—	1	3	4
senile,	—	—	—	—	1	1
Inebriate,	—	1	1	—	—	—
Totals,	10	19	29	14	12	26

18. *Causes of Death.*

CAUSES.	Males.	Females.	Totals.
Nervous system, —			
Organic disease of the brain, . . .	—	1	1
Exhaustion of acute mania, . . .	1	—	1
Exhaustion,	—	1	1
Typhomania,	—	1	1
General paralysis of the insane, . . .	2	1	3
Paralysis,	1	1	2
Epilepsy,	2	—	2
Exhaustion from litholapaxy, . . .	1	—	1
Respiratory, —			
Phthisis,	3	4	7
Pneumonia,	2	—	2
Circulatory, —			
Heart disease,	—	1	1
Zymotic, —			
Malarial fever,	—	1	1
Erysipelas,	1	—	1
General, —			
Old age,	1	1	2
Totals,	14	12	26

19. Deaths, Classified by Results of Previous Admissions.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTALS.		
	Males.		Totals.	Males.		Totals.	Males.		Totals.	Males.		Totals.	Males.		Totals.
	Females.			Females.			Females.			Females.			Females.		
Second, . . .	-	-	-	-	-	-	1	-	1	1	-	1	2	-	2
Third, . . .	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Totals, . . .	1	-	1	-	-	-	1	-	1	1	-	1	3	-	3

20. Recoveries, Classified by Results of Previous Admissions.*

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTALS.		
	Males.		Totals.	Males.		Totals.	Males.		Totals.	Males.		Totals.	Males.		Totals.
	Females.			Females.			Females.			Females.			Females.		
Second, . . .	1	3	4	-	1	1	-	-	-	-	-	-	1	4	5
Third, . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Fourth, . . .	1	1	2	-	-	-	-	-	-	-	-	-	1	1	2
Total, . . .	2	5	7	-	1	1	-	-	-	-	-	-	2	6	8

* In all cases of more than one admission, the classification is based upon the result of the admission next preceding the last, in each case respectively.

21. *Deaths Classified by Duration of Insanity and of Treatment.*

PERIOD.	DURATION OF INSANITY. "FROM FIRST ATTACK."			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	—	—	—	—	—	—
Under 1 month,	—	—	—	2	2	4
From 1 to 3 months,	1	1	2	—	—	—
3 to 6 months,	1	—	1	2	1	3
6 to 12 months,	1	—	1	2	—	2
1 to 2 years,	1	—	1	2	1	3
2 to 5 years,	2	1	3	—	2	2
5 to 10 years,	—	3	3	3	4	7
10 to 20 years,	1	3	4	2	1	3
Over 20 years,	3	2	5	1	1	2
Unknown,	4	2	6	—	—	—
Totals,	14	12	26	14	12	26
Average of known cases (in months),	119 $\frac{17}{20}$	182 $\frac{2}{5}$	151 $\frac{1}{8}$	69 $\frac{9}{28}$	69 $\frac{2}{3}$	69 $\frac{1}{2}$

22. *Ages of those who Died.*

AGES.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteen years and less,	—	—	—	—	—	—
From 15 to 20 years,	3	1	4	—	—	—
20 to 25 years,	—	—	—	—	—	—
25 to 30 years,	1	1	2	1	1	2
30 to 35 years,	1	1	2	2	—	2
35 to 40 years,	1	—	1	1	1	2
40 to 50 years,	1	3	4	2	—	2
50 to 60 years,	4	1	5	5	6	11
60 to 70 years,	—	1	1	2	—	2
70 to 80 years,	—	1	1	1	1	2
Over 80 years,	—	—	—	—	2	2
Unknown,	3	3	6	—	1	1
Totals,	14	12	26	14	12	26

[illegible]

25. *Operations of the Hospital from the beginning, in each Year.*

	1858.	1858-59.	1859-60.	1860-61.	1861-62.	1862-63.	1863-64.	1864-65.	1865-66.	1866-67.	1867-68.	1868-69.	1869-70.	1870-71.	1871-72.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1877-78.	1878-79.	1879-80.	1880-81.	1881-82.	1882-83.	1883-84.	1884-85.	1885-86.	
ADMITTED.	Males, .	99	45	73	70	64	69	48	70	75	61	68	84	90	109	101	102	105	75	76	68	40	63	59	57	62	78	61	66	85
	Females, .	129	48	94	52	48	45	64	61	77	84	85	112	102	98	79	88	78	77	71	36	43	58	66	62	69	75	70	98	
	Total, .	228	93	167	122	112	137	93	134	136	138	152	169	202	211	199	181	193	153	153	139	76	106	117	123	124	147	136	136	183
Recovered.	Males, .	-	18	-	-	19	-	30	17	15	22	19	31	23	16	25	19	25	16	19	15	7	13	16	7	13	11	9	17	10
	Females, .	-	15	-	-	15	-	18	16	9	19	17	18	27	27	15	29	12	13	13	18	19	13	12	13	15	17	16	12	19
	Total, .	-	33	33	35	34	28	48	33	24	41	36	49	50	43	40	48	37	29	32	33	26	26	28	20	28	25	29	29	29
Much Improved.	Males, .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	4	9	6	4	8
	Females, .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	9	-	11	5	2
	Total, .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	13	13	9	17	9	10
Improved.	Males, .	4	9	-	-	25	-	20	14	13	18	20	23	15	23	33	37	24	21	18	8	17	15	11	15	7	18	16	12	23
	Females, .	-	9	-	-	15	-	18	13	7	15	28	28	43	41	27	22	19	24	31	13	27	13	12	15	14	15	19	17	36
	Total, .	4	18	18	26	40	25	38	27	20	33	48	51	58	64	60	59	43	45	49	21	44	28	23	30	21	33	35	29	59
Unimproved.	Males, .	2	6	-	-	9	-	4	8	5	5	9	20	22	31	22	23	27	17	24	15	16	11	9	6	14	21	16	10	20
	Females, .	2	4	-	-	4	-	5	7	3	4	8	43	34	30	27	29	18	21	23	17	13	8	10	10	13	14	20	16	23
	Total, .	4	10	4	10	13	7	9	15	8	9	17	63	56	61	49	52	45	38	47	32	29	14	19	16	27	35	36	26	43

DISCHARGED.

26. *Classed Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65,	225.10	48.16	69.83	343.25
1865-66,	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67,	261.96	49.46	89.75	401.17
1867-68,	262.65	47.92	103.06	413.63
1868-69,	248.52	54.98	101.46	404.96
1869-70,	236.19	65.04	107.23	408.46
1870-71,	234.10	77.07	118.38	429.55
1871-72,	226.96	89.57	112.27	428.80
1872-73,	248.02	99.23	90.00	437.25
1873-74,	284.48	102.88	82.06	469.42
1874-75,	274.35	128.34	72.46	475.15
1875-76,	259.19	146.02	68.94	474.15
1876-77,	254.84	161.58	60.02	476.44
1877-78,	211.90	175.71	54.75	442.36
1878-79,	200.34	182.29	54.23	436.86
1879-80,	197.03	198.01	55.46	450.50
1880-81,	180.82	214.15	57.19	452.15
1881-82,	166.84	238.25	56.52	461.61
1882-83,	161.62	247.63	57.58	466.83
1883-84,	155.10	251.23	56.06	462.39
1884-85,	154.44	261.58	59.82	475.84
1885-86,	140.23	270.52	63.61	474.36

27. *Monthly Consumption of Gas.*

MONTHS.	Cubic Feet.	Daily Average.
1885.		
October,	39,550	1,275.8
November,	45,900	1,530.
December,	51,650	1,666.13
1886.		
January,	50,500	1,629.03
February,	40,000	1,428.93
March,	36,700	1,183.87
April,	27,000	903.33
May,	19,800	638.71
June,	15,960	532.
July,	14,600	470.97
August,	19,900	641.94
September,	27,800	926.67
Total,	389,460	1,067.01*

* Daily average for the year.

28. *Supplies for the Several Departments for the Year 1885-86.*

	Sheets.	Pillow-cases.	Bed-spreads.	Blankets.	Rubber sheets.	Bed-ticks.	Pillow-ticks.	Towels.	Curtains.	Wash-bowls.	Ewers.	Chamber.	Mirrors.	Hair Brushes.	Combs.	Carpet Strips.	Plates.	Cups.	Saucers.	Tumblers.	Mugs.	Bowls.	Pitchers.	Syrup Cups.	Knives.	Forks.	Lanterns.
<i>Men's Department.</i>																											
Upper 1st Hall, . .	12	6	4	4	—	3	—	12	4	1	2	—	—	—	—	10	9	24	30	18	—	—	3	2	—	—	—
2d Hall, . .	18	12	6	6	—	1	—	6	—	2	1	9	2	—	—	4	7	6	36	12	—	—	12	1	—	—	—
3d and 4th Halls, . .	18	44	6	—	—	4	—	6	—	1	17	—	1	—	—	2	24	12	42	2	—	—	5	4	—	—	—
Middle 1st Hall, . .	16	46	—	6	—	7	—	4	—	2	13	—	2	—	3	2	18	24	18	—	—	—	2	4	—	—	—
2d Hall, . .	34	28	—	12	—	1	—	—	3	—	14	—	—	1	3	4	30	6	6	—	—	—	—	—	—	—	—
3d and 4th Halls, . .	48	36	—	—	—	2	—	—	—	—	21	—	—	2	—	—	6	—	—	—	—	2	—	—	—	—	—
Lower 1st Hall, . .	24	36	—	—	—	—	—	4	—	—	8	—	—	—	—	—	18	—	—	—	—	—	—	—	—	—	—
2d Hall, . .	38	36	—	—	—	—	—	4	—	—	17	—	—	1	2	—	6	3	—	—	—	—	—	—	—	—	—
3d and 4th Halls, . .	24	28	—	12	—	2	—	6	—	1	12	—	—	1	—	—	3	3	—	—	—	—	—	—	—	—	—
<i>Women's Department.</i>																											
Upper 1st Hall, . .	12	28	6	6	—	12	2	36	6	4	3	12	—	—	—	—	12	—	—	12	—	—	—	—	—	—	—
2d Hall, . .	12	24	6	—	8	14	2	22	6	1	1	12	2	—	13	6	18	30	—	—	—	—	12	—	—	—	—
3d Hall, . .	12	36	6	6	8	7	—	12	2	—	9	6	—	1	10	3	18	—	—	—	—	—	6	—	—	—	—
4th Hall, . .	—	12	6	6	—	—	2	16	—	—	—	—	—	—	7	4	—	42	—	—	—	—	—	—	—	—	—
Middle 1st Hall, . .	46	48	—	6	7	—	6	16	4	3	3	—	1	—	—	6	6	—	—	—	—	—	—	—	—	—	—
2d Hall, . .	60	54	18	—	14	1	—	24	—	—	18	—	—	—	39	12	24	18	60	12	24	18	—	—	—	—	—
3d Hall, . .	60	30	—	6	10	1	4	16	—	—	12	—	—	2	23	—	18	—	—	—	—	—	—	—	—	—	—
4th Hall, . .	12	31	—	—	8	1	1	12	3	—	12	—	—	1	9	—	12	6	—	—	—	—	—	—	—	—	—
Lower 1st Hall, . .	24	24	12	1	—	—	—	40	—	—	15	—	—	—	27	9	—	12	—	30	—	6	—	—	—	—	—
2d Hall, . .	64	40	2	12	12	—	—	36	6	—	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3d Hall, . .	36	—	—	—	4	4	—	12	4	1	—	6	—	—	8	—	6	—	—	—	—	—	—	—	—	—	—
4th Hall, . .	12	12	—	—	—	—	—	4	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Kitchen, . .	15	27	—	—	—	—	—	—	—	2	—	—	—	—	—	—	276	36	84	—	—	—	—	—	—	—	—
Rear, . .	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Centre, . .	14	6	5	—	—	—	—	24	—	—	—	—	—	—	3	5	—	—	—	—	—	—	—	—	—	—	—
Aggregate, . .	611	644	71	89	78	63	27	346	64	19	15	243	8	14	208	66	505	222	420	212	108	124	31	1	31	36	8

28. *Supplies for the Several Departments for the Year 1885-86 — Concluded.*

	Spoons.	Glass Casters.	Table-spreads.	Napkins.	Tin Plates.	Tin Cups.	Iron Spoons.	Dish-towels.	Rollers.	Wash-basins.	Brooms.	Soap, pounds.	Whisks.	Dust-brushes.	Scrub-brushes.	Dust-pans.	Mops.	Pails.	Spittoons.	Blacking.	Shoe-brushes.	Spools thread.	Papers Needles.	Papers Pins.	Rubber Chambers.
<i>Men's Department.</i>																									
Upper 1st Hall, . . .	6	—	1	12	—	—	12	12	—	—	13	36	6	1	2	1	2	1	1	1	9	1	3	—	—
2d Hall, . . .	—	—	—	—	—	—	12	24	6	—	17	50	—	1	3	1	1	3	1	—	11	2	4	—	2
3d and 4th Halls, . .	—	—	—	—	—	—	18	24	—	—	17	68	1	1	3	1	3	2	1	—	10	—	—	—	1
Middle 1st Hall, . . .	6	4	—	—	—	—	17	24	30	—	16	44	3	2	1	1	3	2	1	4	20	2	—	—	—
2d Hall, . . .	—	—	—	—	—	—	—	12	24	—	26	70	2	1	2	1	2	2	1	—	16	1	—	—	—
3d and 4th Halls, . .	—	—	—	—	—	—	18	24	30	—	37	48	1	3	1	1	2	3	1	—	8	—	—	—	10
Lower 1st Hall, . . .	—	—	—	—	—	—	—	24	6	—	11	30	2	3	1	—	4	6	1	—	17	—	—	—	—
2d Hall, . . .	6	—	—	—	—	—	—	24	24	2	21	64	2	3	1	—	4	7	—	—	21	2	—	—	—
3d and 4th Halls, . .	—	1	—	—	—	—	6	24	12	1	25	100	2	—	—	—	3	—	—	—	—	—	—	—	—
<i>Women's Department.</i>																									
Upper 1st Hall, . . .	—	—	2	—	—	—	—	6	—	—	5	42	—	1	—	—	1	2	—	—	—	1	—	—	—
2d Hall, . . .	6	3	—	—	—	—	6	12	—	—	23	56	3	2	—	—	4	2	—	—	—	10	2	—	—
3d Hall, . . .	—	—	—	—	—	—	—	—	—	—	14	44	—	1	—	—	—	2	—	—	—	12	1	—	—
4th Hall, . . .	12	—	—	—	—	—	—	6	—	—	7	52	1	4	—	1	4	—	—	—	—	16	5	—	4
Middle 1st Hall, . . .	—	—	2	—	—	—	12	12	—	—	20	46	1	1	—	—	3	—	—	—	—	9	1	—	—
2d Hall, . . .	12	3	3	—	—	—	18	12	—	—	8	82	—	1	—	—	1	3	—	—	—	24	11	—	3
3d Hall, . . .	—	—	—	—	—	—	12	12	—	—	13	62	—	1	—	—	—	1	—	—	—	13	4	—	8
4th Hall, . . .	—	—	4	—	—	—	—	12	—	—	50	—	—	2	—	—	2	2	—	—	—	14	1	—	—
Lower 1st Hall, . . .	—	—	—	—	—	—	—	12	—	—	32	68	—	3	—	—	2	—	—	—	1	14	1	—	—
2d Hall, . . .	—	—	3	—	—	—	12	—	—	—	22	94	4	2	—	—	2	2	—	—	—	37	6	—	—
3d Hall, . . .	—	—	—	—	—	—	—	—	—	—	7	50	—	2	—	—	2	2	—	—	—	35	6	—	—
4th Hall, . . .	—	—	—	—	—	—	—	—	—	—	5	18	—	1	—	—	2	—	—	—	—	16	—	—	—
Kitchen, . . .	—	—	—	—	—	—	—	10	18	2	61	55	—	1	4	—	2	10	—	—	—	—	—	—	—
Rear, . . .	—	—	—	—	—	—	—	18	6	—	88	160	6	1	2	—	2	4	—	—	1	—	—	—	—
Centre, . . .	—	—	—	—	—	—	—	18	3	—	5	78	3	1	1	3	2	—	—	2	—	—	—	—	—
Aggregate, . . .	54	12	18	12	72	57	203	262	165	12	505	1,467	31	44	16	13	46	54	9	123	15	237	38	108	20

29. *Days' Work by Patients.*

MONTHS.	FARM.	KITCHEN.			SEWING-ROOM.	LAUNDRY.		
	Men.	Men.	Women.	Totals.	Women.	Men.	Women.	Totals.
1885.								
October, .	847	155	233	388	250	54	342	396
November, .	679	150	218	368	203	50	325	375
December, .	567	155	238	393	356	54	385	439
1886.								
January, .	530	155	201	356	271	52	352	404
February, .	446	140	187	327	205	48	309	357
March, .	492	155	193	348	255	54	345	399
April, .	767	150	185	335	252	49	318	367
May, .	758	155	199	354	259	41	349	390
June, .	838	150	192	342	209	52	358	410
July, .	847	155	215	370	242	54	349	403
August, .	864	155	187	342	269	52	345	397
September, .	869	150	175	325	250	52	352	404
Totals, .	8,502	1,825	2,423	4,248	3,021	612	4,129	4,741

The patients whose work is recorded in this table were employed as many hours in the day as were the employees in each of the several departments, respectively. The total number of days' work is 20,512, to which may be added 810 days, by men, in the mattress room, making an aggregate of 21,322 days.

No record was kept of the time of work on the ornamental grounds, at the stable, in the bakery, the boiler room and the carpenter's shop. A large amount of other work is done, both in the halls and, at irregular times, out of them.

30. List of Articles made in the Sewing-Room.

Dresses,	301	Bolster-cases,	54
Waists,	10	Mattress-ticks,	44
Chemises,	306	Straw-ticks,	8
Drawers,	57	Pillow-ticks,	52
Skirts,	185	Bed-spreads hemmed,	71
Sacques,	11	Curtains,	59
Night-dresses,	23	Napkins hemmed,	24
Hats trimmed,	12	Table-cloths,	8
Shirts,	301	Dish-towels,	388
Blouses,	10	Roller-towels,	247
Suspenders, pairs,	240	Carpets made,	6
Collars,	196	Carpets-strips hemmed,	60
Aprons,	197	Clothes-bags,	8
Camisoles,	30	Bureau covers,	72
Sheets,	724	Ox-blankets,	4
Pillow-cases,	599	Articles repaired,	21,471

31. Upholstery done in the Year.

Hair mattresses made, new materials,	35
Hair mattresses made, new ticks,	20
Hair mattresses overhauled, hair repicked,	42
New husk underbeds made, new materials,	15
Old underbed ticks filled with new husks,	74
Hair pillows made, new materials,	28
Hair pillows overhauled, hair repicked,	48

32. *Annual Cost of Gas.*

Y E A R.	Cost of Gas.	Average Number of Patients.	Cost per Patient.
1860-61,	\$2,030 39	314.26	\$6 46
1861-62,	2,085 29	313.80	6 64
1862-63,	2,109 02	355.63	5 93
1863-64,	2,069 79	357.63	5 78
1864-65,	1,653 05	342.40	4 82
1865-66,	1,107 98	376.35	2 94
1866-67,	1,056 16	401.03	2 63
1867-68,	1,022 51	413.41	2 47
1868-69,	903 92	405.10	2 23
1869-70,	915 30	408.83	2 23
1870-71,	1,043 99	421.90	2 47
1871-72,	980 94	428.72	2 23
1872-73,	1,006 61	437.23	2 30
1873-74,	1,066 74	469.54	2 27
1874-75,	1,012 63	475.35	2 13
1875-76,	1,089 82	474.21	2 29
1876-77,	1,033 59	476.16	2 17
1877-78,	1,066 02	442.43	2 41
1878-79,	1,033 05	436.73	2 37
1879-80,	945 00	450.51	2 10
1880-81,	949 65	451.79	2 10
1881-82,	919 13	461.66	2 00
1882-83,	992 10	466.76	2 10
1883-84,	1,031 55	463.05	2 23
1884-85,	912 49	475.94	1 92
1885-86,	882 90	474.4	1 86

The hospital has always been supplied with gas by the Northampton Gas Light Company. Until April 1, 1879, the price was \$3.25 per thousand cubic feet, with an additional charge for meter rent. From that date to July 1, 1884, it was \$3, including meter-rent, with a discount of five per cent. during the last four years of the period. From July 1, 1884, to April 1, 1886, it was \$2.50, with a discount of five per cent.; and since the date last mentioned it has been \$2.25, with ten per cent. discount.

33. Trustees of the Northampton Lunatic Hospital.

NAMES.	Residence.	When app'ted.	Service ended.	From what cause.
Charles E. Forbes,*	Northampton, .	1856	1857	Term expired.
Lucien C. Boynton,*	Uxbridge, . .	1856	1858	" "
Eliphalet Trask,	Springfield, .	1856	1875	" "
John C. Russell,*	Great Barrington,	1856	1859	Resigned.
Horace Lyman, .	Greenfield, . .	1856	1857	Removed.
Charles Smith, .	Northampton, .	1857	1860	Resigned.
Luther V. Bell,*	Somerville, . .	1857	1859	"
Zebina L. Raymond,*	Greenfield, . .	1858	1859	"
Franklin Ripley,*	Greenfield, . .	1859	1860	Died in office.
Edward Dickinson*	Amherst, . . .	1859	1864	Resigned.
Walter Laflin,*	Pittsfield, . .	1859	1866	Term expired.
Silas M. Smith, .	Northampton, .	1860	1863	" "
Charles Allen, . .	Greenfield, . .	1860	1861	Resigned.
Alfred R. Field,*	Greenfield, . .	1861	1864	"
Edward Hitchcock, .	Amherst, . . .	1863	1879	"
Silas M. Smith, .	Northampton, .	1864	-	Still in office.
Edmund H. Sawyer,*	Easthampton, .	1864	1879	Died in office.
Henry L. Sabin,*	Williamstown, .	1866	1876	Term expired.
Adams C. Deane, .	Greenfield, . .	1875	-	Still in office.
Henry W. Taft, . .	Pittsfield, . .	1876	-	" "
William M. Gaylord,	Northampton, .	1879	1883	Term expired.
Lyman D. James, .	Williamsburg, .	1879	-	Still in office.
Christop'r C. Merritt,	Springfield, .	1883	-	" "
Sarah A. Woodworth,	Chicopee, . . .	1884	-	" "
Sarah M. Butler, .	Northampton, .	1884	-	" "

* Deceased.

34. Officers and Employees.

Time employed, October 1, 1886.

NAMES.	Years.	Months.	Days.
Edward B. Nims, M. D., Superintendent,	17	9	16
Daniel Pickard, M. D., 1st Assistant Physician,	9	5	24
Charles G. Dewey, M. D., 2d Assistant Physician,	—	—	17
Emily F. Wells, M. D., 3d Assistant Physician,	1	9	—
Walter B. Welton, Clerk,	20	7	16
John Mercier, Farmer,	19	2	—
Danford Morse, Engineer,	21	6	9
Robert H. Gallivan, Supervisor,	13	5	13
Lucy A. Gilbert, Supervisor,	19	7	20
F. Josephus Rice, Steward,	27	11	26
Gertrude C. Arnold, Seamstress,	2	8	27
George B. Walker, Baker,	2	3	22
Jennie M. Smith, Assistant Clerk,	1	7	8
Mary M. Phinney, Assistant Supervisor,	3	4	10
Ida R. Howes, Assistant Seamstress,	5	1	12
Ida D. Hyde, Laundress,	2	4	6
Bridget Torpey, Assistant Laundress,	1	2	3
Hattie Burnham, Assistant Laundress,	—	2	9
Henry W. Estey, Attendant,	4	6	7
William J. Douglass, Attendant,	4	6	5
John L. Howard, Attendant,	4	3	25
Walter W. Burnham, Attendant,	2	11	7
Thomas P. Clair, Attendant,	2	—	4
Herbert E. Phinney, Attendant,	2	—	—
James M. Shipperly, Attendant,	1	8	1
William J. Estler, Attendant,	1	1	27
Thomas Lavelle, Attendant,	—	6	23
James E. Gerard, Attendant,	—	5	28
Fred L. Lamphere, Attendant,	—	5	28
Charles J. Gale, Attendant,	—	3	14
Edward L. Lacore, Attendant,	—	1	28
Maria E. Graves, Attendant,	18	8	9
Jane McGuire, Attendant,	11	5	5
Cécile Riel,	9	11	25
Frances F. Poor, Attendant,	7	11	15
Barbara McDonald, Attendant,	5	2	11
Flora R. Brown, Attendant,	3	9	25
Jeanette McLean, Attendant,	3	1	3
Nellie D. Parker, Attendant,	2	6	17
Philomene Goyette, Attendant,	3	6	13
Celeste Goyette, Attendant,	3	—	3
Lavinia Trenholm, Attendant,	1	8	20
Harriet Strong, Attendant,	1	3	13
Nellie E. Stearns, Attendant,	1	3	2
Maggie F. McKenna, Attendant,	2	4	21
Effie Clapp, Attendant,	—	3	17
Elizabeth M. Pomeroy, Attendant,	—	2	5
Lucie L. Barrett, Attendant,	—	—	12
Jessie A. Rand, Night Watch,	5	3	11

34. *Officers and Employees* — Concluded.

NAMES.	Years.	Months.	Days.
Hattie Halladay, Farmers' Dining Room, . . .	12	2	14
Hattie Gamwell, Centre,	2	7	27
Thomas C. Powers, Assistant Steward, . . .	12	6	11
Mary L. Willard, Centre,	1	—	—
Lillian M. Douglass, Cook,	4	11	22
Mary Meagher, Assistant Cook,	—	4	21
Mary Sweeny, Assistant Cook,	2	1	1
Lena Marble, Assistant Cook,	1	2	7
Mary A. Carnes, Rear,	3	3	—
William C. Hall, Assistant Engineer, . . .	21	—	20
Nicholas Riel, Night Engineer,	10	9	25
Moses Bartlett, Watchman,	1	6	—
Sifroi Belville, Carpenter,	16	5	7
Walter Tower, Carpenter,	9	10	—
Alfred Parenteau, Painter,	21	1	18
David Mercier, Coachman,	9	7	14
Benjamin Rockwell, Assistant Farmer, . . .	19	4	—
Julius Freeman, Assistant Farmer,	9	2	24
Henry Wilson, Assistant Farmer,	7	5	8
James Madden, Assistant Farmer,	11	—	29
Eugene Sullivan, Assistant Farmer,	11	5	—
William C. Albray, Assistant Farmer, . . .	2	5	27
Erie Ditty, Assistant Farmer,	3	9	7
George E. Hunter, Assistant Farmer,	—	5	19
Loren Tower, Car Boy,	1	—	18

PUBLIC DOCUMENT.

No. 21.

THIRTY-SECOND ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1887.

BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1888.

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Dec. 1 Northampton State Hospital

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JUN 24 1968

UNITED STATES DEPARTMENT OF JUSTICE

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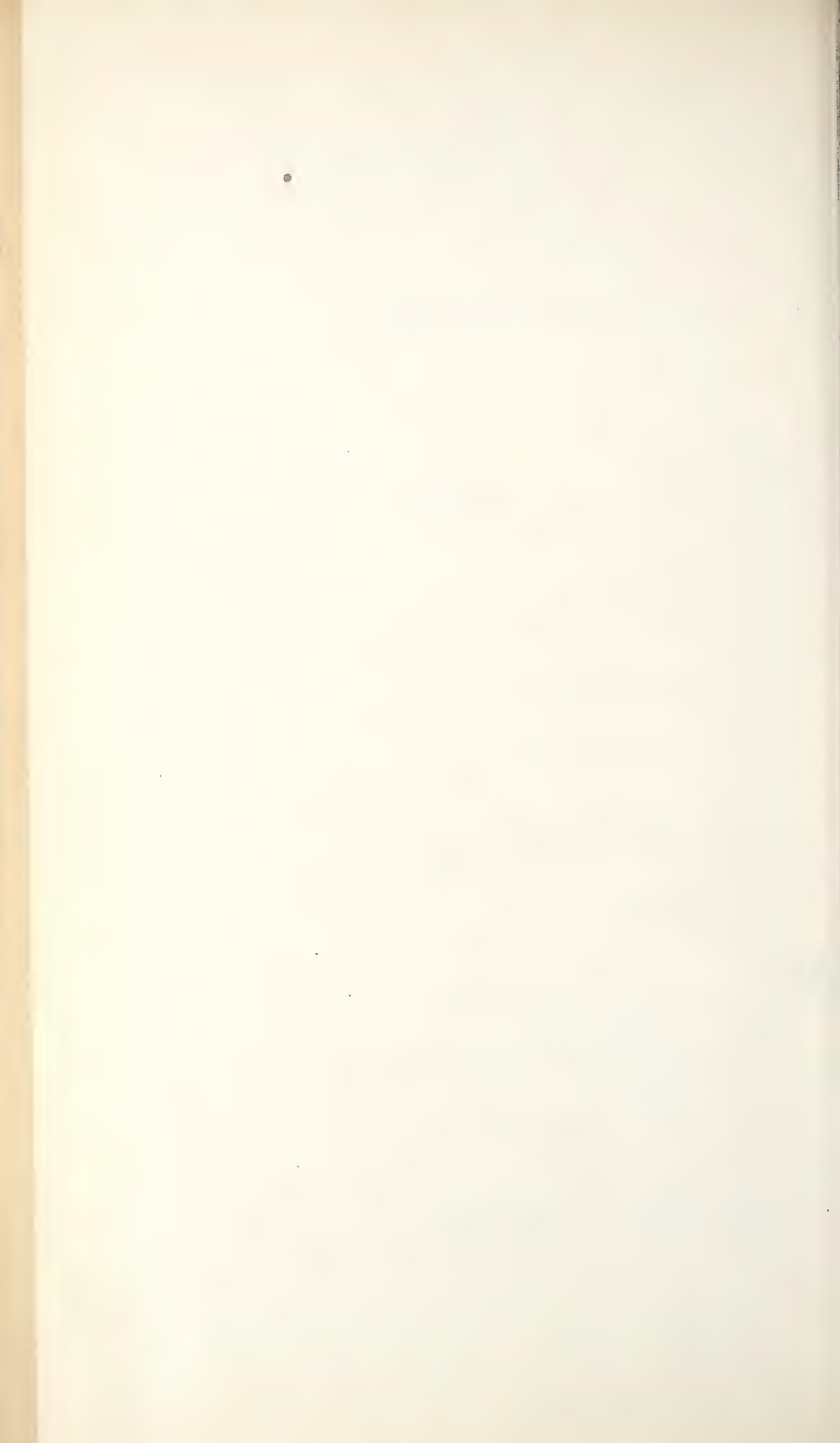
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OFFICERS

OF THE

NORTHAMPTON LUNATIC HOSPITAL.

TRUSTEES.

HON. CHRISTOPHER C. MERRITT,	.	.	.	SPRINGFIELD.
MRS. SARAH M. BUTLER,	.	.	.	NORTHAMPTON.
MRS. SARAH A. WOODWORTH,	.	.	.	CHICOPEE.
ADAMS C. DEANE, M.D.,	.	.	.	GREENFIELD.
HENRY W. TAFT, Esq.,	.	.	.	PITTSFIELD.
HON. JOHN L. OTIS,	.	.	.	NORTHAMPTON.
LYMAN D. JAMES, Esq.,	.	.	.	WILLIAMSBURG.

RESIDENT OFFICERS.

EDWARD B. NIMS, M.D ,	.	.	SUPERINTENDENT.
			FIRST ASSISTANT PHYSICIAN.
DAVID G. HALL, M.D.,	.	.	SECOND ASSISTANT PHYSICIAN.
EMILY F. WELLS, M D.,	.	.	THIRD ASSISTANT PHYSICIAN.
WALTER B. WELTON,	.	.	CLERK.
JOHN MERCIER,	.	.	FARMER.
DANFORD MORSE,	.	.	ENGINEER.

TREASURER.

EDWARD B. NIMS,	NORTHAMPTON.
-----------------	---	---	---	---	--------------

Office at the Hospital.

SUBORDINATE OFFICERS.

ROBERT H. GALLIVAN,	.	.	.	MALE SUPERVISOR.
LUCY A. GILBERT,	.	.	.	FEMALE SUPERVISOR.
F. JOSEPHUS RICE,	.	.	.	STEWARD.
SUSAN A. MILLER,	.	.	.	SEAMSTRESS.
NETTIE LYMAN,	.	.	.	LAUNDRESS.
GEORGE B. WALKER,	.	.	.	BAKER.



Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The Trustees of the Northampton Lunatic Hospital have the honor to submit their thirty-second annual report for the fiscal year 1886-87, together with the reports of the Treasurer and Superintendent, and the tables of statistics, giving in detail the condition and operations of the hospital.

This report does not record any special change or event, but gives the regular every-day work of the year. The Trustees have visited and inspected the hospital at their regular monthly meetings, and occasionally at other times.

The monthly reports of the Superintendent have kept them fully informed of the changes that have occurred, and the frequent conferences upon matters of business have furnished a full understanding of the condition of affairs. The number of admissions for the year was 148; this number is less than in the preceding year. The number of re-admissions is smaller than usual, which makes the number of first admissions, not including transfers from other hospitals, larger than in the preceding year by nine. Whether this increase, which is quite regular, can be taken as an indication of a real increase in insanity we must leave for more comprehensive statistics to decide. No transfers have been made from other hospitals during the year, on the other hand a transfer of eleven patients was made to the

Westborough Lunatic Hospital, of ten patients to the Worcester Chronic Asylum, and of ten to the State Farm. A considerable number of patients were removed to city and town almshouses.

The number of patients at the beginning of the year was 491; of men, 244; of women, 247. The number admitted during the year was 148; of men, 72; of women, 76. Of these 30 were State patients, 92 town patients and 26 private patients. The whole number under treatment during the year was 639; of men, 316; of women, 323; 170 patients were discharged; of men, 92; of women, 78; 13 men and 18 women died. The number at the close of the year was 469; of men, 224; of women, 245. The average daily number of men was 233.27; of women, 245.28; the total average was 478.55.

Of the 170 patients discharged 27 were reported as recovered, 7 much improved, 67 improved, 37 unimproved. The largest number on any one day in the year was 494. The smallest number was 459. The number of patients who were discharged on probation under the sixty days law was 48; of these 4 were returned before the expiration of the legal time. The remainder are included in the general number of discharges. The number of deaths was 31, which is 4.85 per cent. on the whole number treated, about an average rate. No suicide occurred during the year.

The hospital is now in the thirtieth year of its existence. During this period no addition has ever been made to that part which has been occupied by patients. Nor has there been any important change in construction.

The wear and tear of the building, occasioned by constant and hard usage, requires a large outlay annually for ordinary repairs. It is evident that the inevitable deterioration of the buildings will require a larger outlay of money for extraordinary repairs and improvements to keep the hospital up to its proper standard.

The funds of the institution have so far been sufficient to provide for all necessary demands. It is to be hoped that there will be no change in this respect in the future, though it must be expected that there will be a steady and increasing

demand upon the surplus funds. The original construction of the hospital was faulty in some respects, especially in the means provided for the admission of light and air into the third sections of the wings. In order to remedy this defect the corridors on the male wing have been enlarged nearly one-half, by removing partitions, and adding the attendants' rooms to the halls. The sanitary changes have been continued; all the water-closets in the hospital have now been refitted and furnished with new and modern apparatus and efficient ventilation.

The new system of water-pipes laid last year have furnished the hospital with an abundant supply of excellent water. The sanitary condition of the buildings is now considered to be satisfactory. The floors in the halls of the men's department have been relayed with quartered southern pine. New furniture has been added, including thirty large black walnut settees.

In the original purchase of the site for the hospital two parcels of land which are included in the regular boundaries of the premises were omitted, it is supposed by mistake. The first contains about one-eighth of an acre, situated on the eastern boundary, near the Mill River dam, and was formerly occupied by Messrs Wright and Rust's ice-house. The second is on the southern boundary, about one-fourth of an acre in extent. It was enclosed in the hospital garden and has been cultivated for many years. These tracts have been purchased during the past year of Theodore Rust. A piece of land 129 rods in extent, lying along the southern boundary of the Clarke orchard, was also purchased.

The improvements upon the farm have been continued; in the western pasture fourteen acres of unimproved land being now under cultivation. The farm continues to increase in productiveness and in value to the hospital as a source of supply of food. It now contains about 365 acres. The new farm buildings erected last year have been fitted up for use, and are found to be very convenient and useful. The experiment with ensilage last year was successful, and will be continued on a larger scale.

The plan of placing the criminal and vicious classes of the insane in an institution by themselves is, in the opinion of the Trustees of this hospital, a move in the right direction. They are always a disturbing element in the wards of a hospital, both in their habits and in their resistance to good order and discipline. In the present arrangement of this hospital they are necessarily brought in contact with other patients. It is no more just to compel the insane of good character to associate with them than it would be the sane.

We have to record the death of Mr. Silas M. Smith, who was a member of this Board for twenty-six years. He always had a special interest in the welfare and prosperity of the hospital, and his services were valuable from his intimate acquaintance with the affairs of the institution, and the active part that he always took in the business that devolves upon this Board.

The money received for the board of patients during the year is as follows :—

For State patients,	\$20,853 99
town patients,	49,186 54
private patients,	17,879 71
Total,	<u>\$87,920 24</u>

The financial statement for September 30, 1887, is as follows :—

The reserve fund,	\$10,000 00
And cash assets available for future use,	29,673 10
Total,	<u>\$39,673 10</u>
And liabilities, bills payable,	5,503 21
Balance in favor of the hospital,	<u>\$34,169 89</u>

Dr. Daniel Pickard resigned the office of assistant physician July 1 to take effect October 1. Dr. Hall, who was granted a leave of absence for a year to study in Europe, resumed his work in September. Dr. Charles G. Dewey acted as assistant physician during the vacancy and performed his duties satisfactorily.

The superintendent, Dr. Nims, has now been in office for two years, and he has in all respects justified the opinion formed by the Trustees of his fitness for his position, derived from long acquaintance with him in the discharge of his duties as assistant physician of the hospital.

The Trustees are agreed that the management of the hospital under his charge is in safe and efficient hands.

C. C. MERRITT,
J. L. OTIS,
SARAH M. BUTLER,
SARAH A. WOODWORTH,
A. C. DEANE,
HENRY W. TAFT,
LYMAN D. JAMES,
Trustees.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1887.

Superintendent and physician,	per year, \$2,500 00
Assistant physician, 2d,	" 800 00
Assistant physician, 3d,	" 700 00
Treasurer,	" 300 00
Treasurer for clerk-hire and paid to clerk,	" 200 00
Clerk,	" 1,200 00
Farmer,	" 700 00
Engineer,	" 900 00
Assistant clerk,	per month, 20 00
Supervisor (male),	" 40 00
Supervisor (female),	" 30 00
Assistant supervisor (female),	" 16 00
Seamstress,	" 20 00
Assistant seamstress,	" 14 00
Laundress,	" 18 00
Assistant laundress,	" 18 00
Assistant laundress,	" 16 00
Baker,	" 40 00
Steward,	" 58 33
Assistant steward,	" 35 00
Attendants (male) (10),	" 30 00
Attendants (male) (2),	" 21 00
Attendant (female) (1),	" 20 00
Attendants (female) (12),	" 18 00
Attendant (female) (1),	" 14 00
Night-watch (female),	" 18 00
House-work, centre (female),	" 16 00
House-work, centre (female),	" 15 00
Cook (female),	" 18 00
Assistant cook (male),	" 18 00
Assistant cook (female) (1),	" 15 00
Assistant cooks (female) (2),	" 14 00

Farmers' dining room (female),	per month,	\$15 00
House-work, rear building (female),	"	10 00
Watchman,	"	30 00
Carpenter,	per day,	2 25
Carpenters,	"	2 00
Painter,	per month,	50 00
Assistant engineer,	"	32 00
Night engineer and gardener in summer,	"	30 00
Coachman,	"	28 00
Farm hands (6),	"	28 00
Farm hand (1),	"	25 00
Farm hand (1),	"	23 00

In the warm season we generally hire some farm hands by the day. This year we had four, at \$1.50 per day, without board. They work mostly on improvements of the farm.

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1887.

Live stock on hand,	\$7,278 00
Produce of farm on hand,	9,177 40
Carriages and agricultural implements,	3,235 00
Machinery and mechanical fixtures,	7,700 00
Beds and bedding in inmates' department,	12,600 00
Other furniture in inmates' department,	4,900 00
Personal property of State in Superintendent's department,*	9,000 00
Ready-made clothing,	3,314 67
Dry goods and miscellaneous,	3,314 37
Provisions and groceries,	3,196 08
Drugs and medicine,	850 00
Fuel,	6,073 75
Library,	1,000 00
Paints and oils,	475 00
<hr/>	
Total,	\$72,114 27

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing-room and other apartments.

TREASURER'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

I hereby present my report, as Treasurer of the hospital, for the fiscal year ending with the 30th of September, 1887. It contains, as usual, an appraisal of the property of the institution, an account of the receipts and the disbursement of money during the year, and the financial condition at its close.

ASSETS.

Three hundred and sixty-five acres of land,	\$45,000 00
Hospital building,	250,000 00
Farm house, \$2,000; brick house, \$2,000,	4,000 00
Three dwellings (H. Day lot),	1,200 00
Storehouse and shops,	16,000 00
Two barns,	5,500 00
Horse stable,	2,000 00
Scullery and wood-house,	700 00
Lumber house,	1,100 00
Pump house,	1,000 00
Cart shed,	500 00
Coal-house,	250 00
Piggery,	3,000 00
Cattle shed,	1,200 00
Fire-proofs for oils and paints,	500 00
Two ice houses,	600 00
	\$332,550 00

PERSONAL ESTATE.

Stock and supplies on hand, as per inventory appended to the Trustees' report,	\$72,114 27
Reserve fund,	10,000 00

RECEIPTS.

Cash on hand Sept. 30, 1886,	\$2,994 21
Received from the State treasurer,	22,785 21
from towns,	50,797 85
from individuals,	18,074 40
from sales,	3,647 10
from interest,	695 63
	<hr/>
	\$98,994 40

PAYMENTS.

1st. Salaries and labor,	\$28,849 71
2d. Provisions and supplies, viz.:—	
Meats of all kinds,	\$6,556 98
Fish of all kinds,	1,253 32
Fruit and vegetables,	1,373 28
Flour,	2,626 25
Grain and meal for table,	518 19
Tea, coffee and chocolate,	1,003 24
Grain and meal for stock,	2,689 59
Sugar and molasses,	1,695 19
Butter and cheese,	4,948 92
Salt and other groceries,	2,136 43
All other provisions,	1,043 41
	<hr/>
3d. Clothing,	25,844 80
4th. Fuel and lights,	5,070 69
5th. Medicines and medical supplies,	7,546 48
6th. Furniture, beds and bedding,	1,094 15
7th. Transportation and travelling expenses,	3,864 68
8th. Ordinary construction and repairs,	358 12
9th. Extraordinary construction and repairs,	2,156 69
10th. Miscellaneous expenses, including,—	8,868 56
1. Real estate,	
1. Real estate,	\$1,200 00
2. Farm stock,	1,996 05
3. Farm supplies,	3,726 88
4. Water,	1,172 50
5. Minor expenses,	402 99
6. Contingencies,	1,359 08
	<hr/>
	9,857 50
Total expenditures,	<hr/>
	\$93,511 38

LIABILITIES.

Salaries and wages due Oct. 1, 1887,	\$3,620 71
Miscellaneous bills due,	1,882 50
	<hr/>
	\$5,503 21

Due the institution for board Oct. 1, 1887:—

from State,	\$4,793 91
towns,	15,342 14
individuals,	4,054 03
treasurer, Sept. 30, 1887,	5,483 02
	<hr/>
	\$29,673 10

SUMMARY.

Total receipts,	\$98,994 40
Total payments,	93,511 38

Cash on hand Sept. 30, 1887,	\$5,483 02
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Total liabilities,	\$5,503 21
Total debts due the institution,	29,673 10
Total expenditures, including new buildings,	93,511 38

Dividing this sum by 478.55, the average number of patients, we have the average expenditure per patient,	\$195 40
And the average weekly expenditure per patient,	3.747

Deducting from the total expenditures,	\$93,511 38
The extraordinary expenses,	8,868 56

We have the current expenses,	\$84,642 82
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Dividing \$84,642 82 by 478.55, the average number of patients, we have the average expenditure per patient,	\$176.877
Making the average weekly expenditure per patient,	3.392

Adding to the current cash expenditure,	\$84,642 82
The decrease of personal assets,	304.07

We have the <i>necessary</i> cost for the year,	\$84,946 89
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Dividing \$84,946 89 by 478.55, the average number of patients, we have, as the annual cost of each patient,	\$177.508
Making the average weekly cost of each patient,	3.40

EDWARD B. NIMS,

Treasurer.

We have examined, as auditors, the accounts of the Treasurer, and found a satisfactory voucher for every entry.

HENRY W. TAFT,

J. L. OTIS,

Auditors.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The report of the Superintendent is respectfully presented for the year 1886-87, giving the history of the operations of the hospital and accompanied by the usual statistical tables.

The important facts and circumstances connected with the movement of population, the general results of treatment, and the changes more or less important which have occurred in the various departments are given in detail. Quiet steady progress and the routine of hospital life do not afford material for highly interesting reports, however valuable and important the results may be. The following table gives the changes in population for the past year:—

1. *General Statistics, 1886-87.*

	Males.	Females.	Total.
Patients in hospital Oct. 1, 1886,	244	247	491
Admitted within the year,	72	76	148
Whole number of cases within the year,	316	323	639
Discharged within the year,	92	78	170
Viz.: as recovered,	17	10	27
much improved,	5	3	8
improved,	36	31	67
unimproved,	21	16	37
Deaths,	13	18	31
Patients remaining Sept. 30, 1887,	224	245	469
Viz.: supported as State patients,	55	50	105
town patients,	135	164	299
private patients,	34	31	65
Number of different <i>persons</i> within the year,	312	321	633
<i>Persons</i> admitted,	72	76	148
recovered,	17	10	27
Daily average number of patients,	233.27	245.28	478.55

On the 1st of October, 1887, one woman was transferred from State to town charge. Hence the new year will begin with —

State patients,	55	49	104
Town patients,	135	165	300

The number of patients in the house at the beginning of the year was 491, of whom 244 were men and 247 women; 148 patients were admitted during the year, of whom 72 were men and 76 women.

The whole number of patients under treatment was 639, of whom 316 were men and 323 women.

No person was admitted more than once during the year, hence the number of cases and of persons admitted was the same.

The average daily number in the house was larger than in any preceding year, notwithstanding an unusually large number of transfers to other institutions.

The largest number of patients on any one day was 494, the smallest 459.

The number of re-admissions was 29, which is smaller than usual. Of the admissions 119 were the first, 19 the second, 7 third, 2 fourth and 1 the seventh. The number of first admissions, excluding transfers from other institutions in preceding years, was larger than ever before. This fact may be taken as significant; inasmuch as the admissions are, with one exception, from the four western counties of Massachusetts; 89 of those admitted were of American birth, and 59 of foreign.

Sixty-three patients were suffering from acute disease, 16 were suicidal, 20 were homicidal, 6 were in a bruised or maimed condition when admitted, 10 were epileptic, 4 had paresis, and 5 gave evidence of syphilitic disease; 63 were cases of mania, 31 of melancholia, 28 of dementia. There were also 9 inebriates.

Seventy-one were married, 77 were unmarried.

One hundred and four had been insane over six months, the most curable period of their disease having passed.

Of the 143 patients discharged as not recovered 52 returned to their homes, 12 were taken to almshouses, 9 went out to board in families, 8 were sent out of the State, 2 eloped, 10 were removed to the Worcester Asylum for the Chronic Insane, 10 to the State Farm at Bridgewater, and 11 to the Westborough Lunatic Hospital.

STATUS OF PATIENTS.

Of the 148 patients admitted 30 were supported by the State, 92 by cities and towns, and 26 by individuals.

Of the 170 patients discharged, including those who died, 63 were supported by the State, 82 by cities and towns, and 25 by individuals.

Of those remaining Sept. 30, 1887, 105 are supported by the State, 299 by towns and cities, and 65 by individuals. The decrease in the number of State charges, and a corresponding increase in the number of those charged to towns and cities, is very noticeable, — the number of those supported by the State being less by 38, at the end of the year, than at the end of 1886, while the number charged to towns and cities is larger by 18. The reason for this change is found largely in the fact that legal settlements are acquired more readily under the laws now than in former years.

The following table is inserted to show the weekly average number in each class for two years past, and the changes in status, as compared with the year previous : —

	1885-86.			1886-87.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, . .	80.56	59.67	140.23	70.826	51.961	122.78
Town patients, . .	124.73	145.79	270.52	129.153	160.230	289.38
Private patients, .	32.44	31.17	63.61	33.404	32.596	66.00

RECOVERIES.

The question of recoveries always comes up for consideration in this report. When we look at the small number reported as recovered, we can readily understand the impression which prevails, and which we occasionally see commented upon, that more patients die in the hospitals than recover. It is not an easy matter to decide when a patient is fully recovered. Under the modern idea of recovery we are limited in the classes to which we can apply that term.

We must exclude that class of patients known as the recurrent cases, who, though they may appear to be perfectly well when discharged, yet from our knowledge of their history and from the insane diathesis which we are sure they have, are tolerably certain to relapse at some future time. We must exclude that class of cases which are congenitally deficient mentally, of whom it may be said when discharged that they are as well as they ever were, or ever will be.

We must often exclude those cases who become insane as a result of disordered habits, of whom we can say when discharged, that if they would live temperate, sober and regular lives they would probably remain well, yet we are almost certain that in time they will reappear in the hospitals. Other classes might be enumerated. The term "improved" does not express fully the work that is done for many who are included under that term. Less than one-half of the patients admitted during the past year could be reasonably regarded as curable.

The number of recoveries reported for the year was 27. No person was discharged as recovered more than once. Of the 119 patients who were admitted for the first time 21 were discharged as recovered; of the second admissions, 5; of the fifth, 1.

The ratio of recoveries to the number admitted was 18.24 per cent.

The ratio of recoveries to the number of discharges was 15.88 per cent.

The ratio of recoveries to the average daily population was 4.22 per cent.

The ratio of recoveries to the number discharged, exclusive of deaths, was 19.42 per cent.

DISCHARGE ON PROBATION.

The number of patients discharged under the sixty days law on probation was 48. Forty-four of these were fully discharged at the end of the sixty days, and four returned before the time expired. Of the whole number thus discharged 31 went to their homes, and all but three have remained there until the present time. Eight were boarded out in families by the State Board of Lunacy and Charity

and ten went to almshouses. Continued experience in this form of discharge only confirms the opinion expressed in a former report of its value and efficiency in relieving the Superintendent of responsibility in the discharge of doubtful cases, and as a means of testing the condition of patients by a change of associations and surroundings, previous to a complete discharge.

DEATHS.

The number of deaths for the year is an average one. The total was 31. As usual the larger portion died from the effects of chronic diseases. Seven patients died of consumption, five of chronic brain disease, three of general paralysis of the insane, four of apoplexy as the sequel of protracted brain disease, one of cancer, one of epilepsy and one of chronic diarrhœa. Seven persons died of diseases which were more or less acute in character. One man, an epileptic, died of enteritis, which was caused by falling in a convulsion. Two aged people were brought to the hospital under the high excitement of acute mania and soon died of exhaustion; one person died of typhomania, one aged man of erysipelas, one woman who had been for a long time ill died of dysentery, probably as a sequel of other diseases, one feeble man of strangulated hernia, and two persons who were aged 82 and 84 years, of old age, no special disease being apparent in their cases. The review of these cases shows what has often been reiterated in these reports, that the prevailing diseases in hospitals are essentially chronic in their character, and that this fact stands in the way of recovery or improvement in many cases of mental disease. The hospital has been fortunately exempt from suicide for the past two years, nor has any epidemic disease prevailed.

The ratio of deaths to the daily average number of patients was 6.47 per cent. and on the whole number of cases treated 4.85 per cent.

The status of the 31 persons who died was as follows, 9 State patients, 20 town and 2 private.

The following table gives the annual number of deaths, and the ratios to the average and whole number of persons treated in the hospital:—

Deaths and their Ratios from Sept. 30, 1858, to Oct. 1, 1887.

OFFICIAL YEAR.	Whole No of Patients.	Daily Aver- age No of Patients.	DEATHS.			Per cent. on Whole No. of Patients treated.	Per cent. on Daily Aver- age No. of Patients.
			Men.	Women.	Total.		
1858-59, .	313	229.55	7	12	19	6.07	8.27
1859-60, .	398	255.96	9	18	27	6.78	10.54
1860-61, .	434	314.26	15	15	30	6.91	9.54
1861-62, .	442	313.80	9	10	19	4.29	6.05
1862-63, .	470	355.28	19	7	26	5.53	7.31
1863-64, .	475	357.63	17	30	47	9.89	13.14
1864-65, .	469	342.40	17	24	41	8.76	11.97
1865-66, .	488	376.35	18	13	31	6.35	8.23
1866-67, .	543	401.03	23	24	47	8.65	11.71
1867-68, .	565	413.41	25	17	43	7.61	10.40
1868-69, .	590	405.10	13	12	25	4.23	6.17
1869-70, .	604	408.83	22	11	33	5.46	8.07
1870-71, .	616	421.90	16	12	28	4.54	6.64
1871-72, .	619	428.72	19	18	37	5.97	8.63
1872-73, .	614	437.23	13	8	21	3.42	4.80
1873-74, .	626	469.54	14	11	25	3.99	5.32
1874-75, .	629	475.35	23	18	41	6.52	8.62
1875-76, .	629	474.21	18	19	37	5.88	7.80
1876-77, .	603	476.16	21	21	42	6.96	8.82
1877-78, .	551	442.43	14	9	23	4.17	5.19
1878-79, .	535	436.73	14	9	23	4.29	5.27
1879-80, .	559	450.51	17	12	29	5.19	6.44
1880-81, .	569	451.79	16	10	26	4.57	5.75
1881-82, .	587	461.66	24	14	38	6.47	8.23
1882-83, .	606	466.76	17	13	30	4.95	6.42
1883-84, .	605	463.05	12	13	25	4.13	5.39
1884-85, .	599	475.94	16	11	27	4.51	5.67
1885-86, .	659	474.4	14	12	26	3.94	5.48
1886-87, .	639	478.55	13	18	31	4.85	6.47

WORSHIP AND ENTERTAINMENT.

The assemblies of patients were continued during the year with a variety of exercises, as given in the following table:—

Exercises in Chapel.

1. ON THE SABBATH,—

Divine worship, 52 days.

2. ON SECULAR EVENINGS,—

(a) *Readings and Recitations, opened and closed with music:*

The Bible and selections of poetry, 37 days.

The Bible and selections of prose, 2 “

The Bible and selections of poetry and prose, 13 “

Miscellaneous selections of prose, 74 “

Miscellaneous selections of poetry, 35 “

Miscellaneous selections of poetry and prose, 65 “

Recitations, 2 “

(b) *Other Entertainments :*

Pictures shown with the stereopticon,	7 days.
Concert,	1 "
Ventriloquism,	1 "

(c) *Social Assemblies :*

Quadrille parties,	20 "
No assembly,	56 "
Total,	365 days.

During the months of July, August and September, the assemblies were omitted on Tuesday and Friday evenings, and on the evenings of days in which official visits were made to the hospital. The religious services on the Sabbath were regularly maintained. The average attendance at these services for the year was 288. The largest number on any day was 310; the smallest, 266.

The variety of the exercises in the assemblies was not as large as usual on account of circumstances beyond the control of the present officials, yet the uniformly large attendance, and the frequent commendatory remarks made by persons in attendance, are evidence that the exercises were appreciated, and the effects upon them favorable. It is specially interesting and often gratifying to observe in these exercises the progress and gradual change towards recovery in certain cases, and the improvement in general appearance, self-control and mental condition of very many who may not entirely recover.

There is an abundant reward for all the labor and effort involved.

FARM.

The cultivation of the farm has been carried on upon a larger scale than ever before, and with good success. The season has been favorable in most respects, and the products generally larger in quantity. The apple crop was smaller, owing to the fact that it was not the bearing year.

There was an increase of thirty-three tons in the hay crop, and a shortage in that of potatoes. The amount of work done by the patients is up to the average. The following table gives the annual amount of hay produced :—

1864, estimated, . . . 40 tons.	1876, weighed, . . . 111 tons.
1865, " . . . 62 "	1877, " . . . 154 "
1866, " . . . 42 "	1878, " . . . 179 "
1867, weighed, . . . 82 "	1879, " . . . 144 "
1868, " . . . 86 "	1880, " . . . 154 "
1869, " . . . 91 "	1881, " . . . 213 "
1870, " . . . 74 "	1882, " . . . 170 "
1871, " . . . 75 "	1883, " . . . 197 "
1872, " . . . 91 "	1884, " . . . 174 "
1873, " . . . 84 "	1885, " . . . 251 "
1874, " . . . 120 "	1886, " . . . 269 "
1875, " . . . 100 "	1887, " . . . 302 "

The large piggery erected last year has proved a success, and is a source of profit to the institution. Fifty-six hogs were slaughtered. The total weight of pork produced was 26,331 pounds, — the largest animal weighing 667 pounds. The following table gives the statistics upon this point: —

Pork Raised upon the Farm.

1865, . . . 6,265 pounds.	1877, . . . 13,605 pounds.
1866, . . . 5,443 "	1878, . . . 14,451 "
1867, . . . 7,416 "	1879, . . . 13,569 "
1868, . . . 7,791 "	1880, . . . 14,729 "
1869, . . . 8,469 "	1881, . . . 15,610 "
1870, . . . 7,447 "	1882, . . . 14,414 "
1871, . . . 7,863 "	1883, . . . 15,612 "
1872, . . . 11,366 "	1884, . . . 10,192* "
1873, . . . 10,511 "	1885, . . . 17,544 "
1874, . . . 12,024 "	1886, . . . 21,503 "
1875, . . . 12,693 "	1887, . . . 26,331 "
1876, . . . 12,467 "	

* Quantity diminished by disease.

Twenty-eight thousand eight hundred and sixty-four gallons of milk were produced, one-third, as usual, being entered in the list of products. The remaining two-thirds are estimated as being charged to the farm in other ways.

One hundred tons of ensilage were stored in the silo, the experience of the previous year having satisfied those who

conduct the farm, of its utility both as a fodder and as a profitable product.

The usual supply of cattle and sheep have been purchased to furnish the tables with beef and mutton during the winter.

List of Products in 1887.

Hay (first growth of home farm), 165½ tons, at \$15,	\$2,482 50
Hay (south lot), 26½ tons, at \$15,	397 50
Hay (Clarke orchard), 21 tons, at \$15,	315 00
Hay (after growth of whole farm), 87½ tons, at \$15,	1,312 50
Hay (Hungarian grass), 1½ tons, at \$15,	22 50
Corn fodder, dry, 26 tons,	156 00
Corn, 450 bushels,	275 00
Potatoes, 2,343 bushels,	1,876 40
Broom seed, 30 bushels,	12 00
Broom brush, 700 pounds,	42 00
Carrots, 100 bushels,	40 00
Sugar beets, 800 bushels,	240 00
Beets, 150 bushels,	75 00
Onions, 317 bushels,	253 60
Turnips, 460 bushels,	184 00
Parsnips, 60 bushels,	36 00
Beans (Lima), in shell, 191 bushels,	191 00
Beans (common), in shell, 57 bushels,	57 00
Beans (string), 5 bushels,	5 00
Beans (Lima), dry, 2 bushels,	6 00
Beans (common), dry, 61½ bushels,	61 50
Pease (green), in pod, 144 bushels,	289 50
Sweet corn (green), in ear, 286½ bushels,	286 50
Tomatoes, 179½ bushels,	179 50
Lettuce, 68 bushels,	68 00
Cucumbers, 137½ bushels,	137 50
Squash (summer), 65½ bushels,	65 50
Squash (winter), 2⅞ tons,	108 00
Melons, 10,319 pounds,	103 19
Asparagus, 27 bushels,	81 00
Pie plant, 69 bushels,	69 00
Beet greens, 11½ bushels,	11 50
Spinach, 69 bushels,	69 00
Cabbage, 1,900 heads,	114 00
Currants, 7 bushels,	20 00
Apples, 401 barrels,	601 50
Pears, 50½ bushels,	42 38
Quinces, 10½ bushels,	21 00
Grapes, 210 pounds,	8 40
Veal (raised here), 518 pounds,	58 13
Pork, 26,331 pounds,	1,816 67

Pigs sold, 278,	\$758 00
Pigs (roasting), 7,	14 00
Turkeys, 148 pounds,	29 70
Chickens, 1,153½ pounds,	234 80
Heads and plucks, 5,	5 00
Eggs, 777 dozen,	184 10
Milk (grass fed), 9,621½ gallons,	2,309 12
Cider, 40 barrels,	80 00
Calfskins, 6,	7 20
Young calves sold, 10,	29 50
Wood, 20 cords,	60 00
Citron, 410 pounds,	4 10
Ensilage, 100 tons,	350 00
Peppers, 1 bushel,	2 00
	<hr/>
	\$16,258 29

EXERCISE.

The spacious grounds about the institution are laid out in walks and driveways and interspersed with grove, meadow and upland, and are much used by patients for walking and exercise.

The portion allotted to the male patients contains about two hundred acres, while that given to female patients is much less.

It is expected that all patients who are able, will go out of doors more or less each day when the weather permits.

HOW THE HOSPITAL IS SUPPORTED.

The following financial exposition is the same that was published in the annual report for 1885-86, with the exception of changes necessary for its adaptation to present circumstances.

Although a State institution this hospital has received no gratuitous assistance from the State since the spring of 1867. Since that time it has relied for its income solely upon the products of its farm, the board bills of its patients and the small sum of ten dollars each for the funeral expenses of State patients who die in the hospital and whose remains are not removed for burial. The receipts from the last mentioned source during the past year were \$50.

For the entire support of State patients, including clothing and all loss from breakage and other kinds of destruc-

tion, the hospital received \$3.50 each per week from the treasury of the Commonwealth, from April 1, 1870, to April 1, 1879. For one year after the latter date it received but \$3 each per week; and since April 1, 1880, it has received \$3.25 each per week. This is a compensation fixed by statute law. One hundred and five or more than one-fifth of the inmates now belong to this class. During the past year the weekly average of them was 25.76 per cent. of the whole.

For town patients it has received, and now receives, from the treasuries of the towns respectively in which these patients have legal settlements the same sum per week (\$3.25 each) as from the State treasury for State patients; but the towns clothe their patients and remunerate the hospital for damages done by them. Two hundred and ninety-nine of the inmates are now in this class. The weekly average of them for the year was 60.06 per cent. of the whole.

For private patients there is no uniform price. The average pay from all who were here Sept. 30, 1887, was \$5.061 each per week. Clothing and damages are extra charges. The weekly average of these patients during the past year was a fraction over 13 per cent. of the whole.

The average weekly pay per capita charged by the hospital for all its patients, State, town and private, in the course of the year is \$3.521.

Such are the pecuniary resources of the institution. We turn to the results of

THE FINANCE OF THE LAST TWENTY-TWO YEARS.

In April, 1865, the hospital was freed from debt; the financial statement at the close of that month showed a balance of \$302.04 in its favor. Between that time and the first of June, 1867, it received a direct bonus from the State of \$5,000 in two appropriations, for specific purposes, — one of \$2,000 and the other of \$3,000.

As an offset to the \$5,000 bonus the hospital has purchased and paid for several lots of land, amounting to nearly one hundred and seventy-five acres, together with four dwelling-houses. The total cost of this real estate was \$32,083.92.

The State has then, in this way alone, been overpaid for its bonus in the sum of \$27,083.92.

The amount paid by the hospital for repairs and improvements in the course of the last year is \$11,025.25; in the course of the twenty-two years from Sept. 30, 1865, to Sept. 30, 1887, is \$260,760.78.

The surplus of cash assets now on hand, including the reserve fund, is \$34,169.89, or \$33,867.85 larger than it was on the 30th of April, 1865.

The purchased provisions and supplies, including fuel and stored clothing now on hand, are estimated to have cost \$15,898.87. The estimated value of similar supplies on the 30th of April, 1865, was \$2,500. The increase of assets under this head is, therefore, \$13,398 87.

The value of household furniture in the hospital is, at a low estimate, at least \$10,000 greater than it was on the 30th of April, 1865, at the same rate or standard of appraisal. To be certain, however, of no exaggeration let it be called \$8,000.

Collecting these several sums the account of debit of the Commonwealth to the hospital appears to be as follows: —

Excess of cost of land over direct bonus,	\$27,083 92
Repairs and improvements,	260,760 78
Excess of present cash assets,	33,867 85
Increase of provisions and supplies,	13,398 87
Increase of furniture,	8,000 00
Total,	<u>\$343,111 42</u>

The necessary current repairs of the building may be estimated at \$3,000 annually. Deducting this sum for each of the twenty-two years since Sept. 30, 1865, a total of \$66,000, there is a remainder of \$277,111.42. To this amount, then, has the hospital assisted itself to things, for most of which it is generally expected that such institutions will rely on direct appropriations from the treasury of the Commonwealth.

In the preparation of this summary we have taken into account only the actual disbursements of money by the hospital in contributing to its own improvements.

But aside from this a large amount of work in effecting those improvements was performed by the teams of horses and cattle belonging to the institution and by the regular corps of its employees.

Agreeably to all correct business principles, as well as to the custom at some similar institutions, the hospital should be credited with the amount of the value of this labor. But no credit has ever been given for it. Many thousands of dollars might, in this direction, be justly added to the sum above mentioned, as the product of the efforts of the hospital in the promotion of its own material progress.

In connection with the above exposition it may be interesting to know to what extent the taxpayers of the State have contributed to the institution. From a list furnished by the State treasurer of all the appropriations made either for the construction, the repairs, or the improvements of the hospital, I find that, from the time of the passage of the act authorizing its erection down to the present day, it has cost the people of the Commonwealth only three hundred and seventy-five thousand five hundred and fifty dollars (\$375,550).

EMPLOYMENT.

The proportion of patients which are employed in various occupations has always been large. The number of days' work, of which a regular account was kept, as done in the laundry, kitchen, sewing-room, and on the farm in the past year was 27,477.

No account is made of the large amount of work which was done in the various minor duties about the institution, such as assisting in the daily household work, or of work done by patients for themselves. It is estimated that fully 75 per cent. of the patients in the hospital are occupied a portion of the time in various kinds of labor.

To many who are excited it affords an object on which to expend their energies, gives the needed exercise and prepares the way for regular rest and sleep, and improved alimentation. Many who are depressed are helped to forget their troubles and in others who are sinking into dementia a more healthy mental action is induced.

These often relearn what they once knew, or regain the knowledge and faculties which are partially lost after a long-continued mental alienation.

ACKNOWLEDGMENTS.

The hospital is under obligations to various people for favors granted during the year. To Professor Pray, who entertained very acceptably by an exhibition of sleight-of-hand and jugglery, and to Mr. H. Bryant for a performance in ventriloquism; to the Opera House orchestra for a concert; to Dr. T.W. Meekins for several exhibitions of stereoscopic views; to Miss Florence Austin for a quantity of reading matter; to Mr. S. E. Bridgman for magazines, etc., and Mrs. S. M. Butler for the same; also to several persons who are unknown for papers and magazines; to several persons for Christmas gifts; to the publishers of the "Christian Register" and "Staaten Zeitung," for those papers through the year.

CONCLUSION.

The year which has passed has brought but few changes. Ida D. Hyde resigned her position as laundress to accept another position in the hospital; Nettie Lyman was appointed to fill the vacancy. Gertrude C. Arnold resigned the position of seamstress to accept that of assistant clerk; Susan A. Miller was appointed to the vacancy. Two attendants and one employee were discharged for insubordination and neglect of duty. Changes in the corps of attendants are not desirable, coming as they generally do to the hospital without any special preparation for their work, or acquaintance with it. The efficiency of the hospital depends very much upon the faithfulness of those who are brought into immediate contact with the patients. For those who remain associated with me upon the medical staff, and others who are in charge of the various departments of work, I have only words of commendation for their faithfulness in duty, and loyalty to the best interests of the institution.

EDWARD B. NIMS.



APPENDIX.



**2. Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES (including Deaths).			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
1886.									
October,	5	7	12	5	4	9	243.55	248.68	492.23
November,	3	10	13	12	9	21	239.1	251.27	490.37
December,	5	7	12	7	13	20	235.93	350.42	486.35
1887.									
January,	3	5	8	4	8	12	232.17	243.55	476.26
February,	9	1	10	4	4	8	235.4	239.7	475.1
March,	4	4	8	3	2	5	238.51	239.03	477.54
April,	4	7	11	4	2	6	237.8	243.1	480.9
May,	6	8	14	6	7	13	239.8	245.9	485.7
June,	11	7	18	18	4	22	232.	248.5	480.5
July,	4	5	9	17	13	30	225.23	244.90	470.13
August,	8	9	17	7	7	14	217.58	243.87	461.45
September,	10	6	16	5	5	10	221.63	244.50	466.13
Total of cases,	72	76	148	92	78	170	—	—	—
Total of persons,	72	76	148	90	78	168	—	—	—
Daily average for the year,	—	—	—	—	—	—	233.27	245.28	†* 478.55

* For Table No. 1 see the beginning of the Superintendent's report.

† These totals are obtained by a division of the sums of daily residence for the year by 365, the number of days in the year.

3. Received on First and Subsequent Admissions.

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	58	61	119	—	—	—
Second,	7	12	19	3	4	7
Third,	5	2	7	4	3	7
Fourth,	1	1	2	—	—	—
Seventh,	1	—	1	2	—	2
Total of cases,	72	76	148	9	7	16
Total of persons,	72	76	148	5	6	11

4. *Age of persons Admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	—	—	—	—	—	—
Fifteen years and less,	3	—	3	1	—	1
From 15 to 20 years,	5	2	7	—	2	2
20 to 25 years,	11	5	16	15	1	16
25 to 30 years,	2	10	12	5	10	15
30 to 35 years,	2	2	4	5	8	13
35 to 40 years,	7	3	10	7	2	9
40 to 50 years,	11	16	27	8	17	25
50 to 60 years,	8	10	18	11	15	26
60 to 70 years,	2	3	5	5	6	11
70 to 80 years,	—	—	—	—	—	—
Over 80 years,	1	—	1	1	—	1
Unknown,	6	10	16	—	—	—
Total of persons,	58	61	119	58	61	119

5. *Parentage of Persons Admitted.*

PLACES OF NATIVITY.	MALES.		FEMALES.		TOTALS.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine,	1	1	—	—	1	1
New Hampshire,	2	2	1	1	3	3
Vermont,	2	—	2	1	4	1
Massachusetts,	18	16	17	18	35	34
Rhode Island,	—	1	—	—	—	1
Connecticut,	2	1	—	1	2	2
New York,	5	7	2	2	7	9
Pennsylvania,	1	2	1	—	2	2
Ohio,	—	—	—	1	—	1
Michigan,	1	—	—	—	1	—
Illinois,	—	1	—	—	—	1
Kentucky,	—	—	—	1	—	1
Virginia,	2	1	—	—	2	1
Maryland,	—	—	—	1	—	1
Canada,	5	5	4	5	9	10
England,	1	2	1	—	2	2
Ireland,	21	22	40	38	61	60
Scotland,	1	1	—	—	1	1
Germany,	2	2	1	1	3	3
Unknown,	8	8	7	6	15	14
Total of persons,	72	72	76	76	148	148

6. *Residence of Persons Admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	14	14	28
Hampden County,	31	38	69
Berkshire County,	15	21	36
Franklin County,	11	3	14
Middlesex County,	1	—	1
Total of <i>persons</i> ,	72	76	148
Cities and large towns,	37	48	85
Country districts,	35	28	63
Total of <i>persons</i> ,	72	76	148

7. *Civil Condition of Persons Admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,	28	17	44	27	29	56	3	14	17	—	1	1
Second,	3	1	4	4	8	12	—	2	2	—	1	1
Third,	5	1	6	—	1	1	—	—	—	—	—	—
Fourth,	—	1	1	1	—	1	—	—	—	—	—	—
Fifth,	—	—	—	—	—	—	—	—	—	—	—	—
Sixth,	—	—	—	—	—	—	—	—	—	—	—	—
Seventh,	—	—	—	1	—	1	—	—	—	—	—	—
Total of <i>per- sons</i> ,	36	20	56	33	38	71	3	16	19	—	2	2

8. *Occupations of Persons Admitted.*

OCCUPATIONS.	Males.	OCCUPATIONS.	Females.
Broker,	1	Blacksmith's wife,	1
Cabinet maker,	1	Carpenter's wife,	2
Clerk,	4	Carpenter's daughter,	1
Commercial traveller,	1	Clerk,	1
Druggist,	1	Cloak maker,	1
Editor,	1	Domestic,	3
Farmer,	13	Druggist's wife,	1
Fire adjuster,	1	Electric physician,	1
Florist,	1	Farmer's wife,	3
Laborer,	18	Housekeeper,	7
Mechanic,	2	Laborer's wife,	9
Merchant,	2	Miner's wife,	1
Mill operative,	1	Mill operative,	6
None,	3	Mill-operative's wife,	2
Plumber,	1	Merchant's wife,	3
Paper manufacturer,	2	Machinist's wife,	1
Painter,	1	Nurse,	1
Steel polisher,	1	None,	10
Shoe maker,	1	Paper-maker's wife,	1
Student,	1	Paper finisher,	1
Saloon keeper,	3	Shoe-maker's wife,	2
Tin smith,	2	School teacher,	1
Tea peddler,	1	Tailor's wife,	2
Tailor,	1	Truckman's wife,	2
Unknown,	1	Tailoress,	1
Weaver,	3	Thread-maker's wife,	1
Wire maker,	2	Wire-maker's wife,	1
Whip maker,	1		
Wool sorter,	1	Total of <i>persons</i> ,	76
Total of <i>persons</i> ,	72		

9. *Reported Duration of Insanity before last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO THIS HOSPITAL.			ALL OTHER AD- MISSIONS.*			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	1	1	2	—	—	—	—	—	—
Under 1 month,	6	11	17	3	2	5	10	13	23
From 1 to 3 months,	9	8	17	1	—	1	10	8	18
3 to 6 months,	4	6	10	1	3	4	5	9	14
6 to 12 months,	5	7	12	1	1	2	6	8	14
1 to 2 years,	12	10	22	—	1	1	12	11	23
2 to 5 years,	6	4	10	2	2	4	8	6	14
5 to 10 years,	2	3	5	—	4	4	2	8	10
10 to 20 years,	2	—	2	1	1	2	3	1	4
Over 20 years,	—	—	—	1	—	1	1	—	1
Unknown,	11	11	22	4	1	5	15	12	27
Total of cases,	58	61	119	14	15	29	72	76	148
Total of persons,	58	61	119	14	15	29	72	76	148
Average of known cases,	2 $\frac{3}{47}$	1 $\frac{11}{23}$	1 $\frac{6}{8}$	4 $\frac{3}{5}$	4 $\frac{1}{13}$	4 $\frac{8}{23}$	2 $\frac{30}{57}$	1 $\frac{15}{18}$	2 $\frac{9}{40}$

* In this division of the table the whole period of time, from the first attack to the last admission, is indicated.

10. *Form of Disease in the Cases Admitted.*

FORM OF DISEASE.	Males.	Females.	Totals.
Epilepsy acquired,	7	3	10
General paralysis of the insane,	4	—	4
Mania, acute,	15	21	36
chronic,	1	14	15
recurrent,	1	6	7
a potu,	2	1	3
puerperal,	—	1	1
senile,	1	—	1
Melancholia, acute,	8	11	19
chronic,	6	—	6
recurrent,	4	1	5
puerperal,	—	1	1
Dementia, primary,	10	9	19
secondary,	5	1	6
senile,	1	2	3
Dipsomania,	1	2	3
Inebriate,	6	3	9
Total of cases,	72	76	148
Total of persons,	72	76	148

11. *Probable Causes of Insanity in Persons Admitted.*

CAUSES.	Males.	Females.	Totals.
<i>Physical.</i>			
Ill-health,	5	8	13
Epilepsy,	4	3	7
Intemperance,	7	6	13
Overwork,	2	2	4
Overwork and ill-health,	—	2	2
Change of life,	—	2	2
Change of life and ill-health,	—	1	1
Change of life and intemperance,	—	1	1
Loss of friends and ill-health,	—	2	2
Hereditary,	2	5	7
Masturbation,	1	—	1
Injury of head,	—	2	2
Old age,	1	1	2
Overwork and study,	1	—	1
Puerperal,	—	2	2
Injured by fall,	5	—	5
Nervous exhaustion,	2	—	2
Sunstroke,	3	—	3
Over-excitement,	1	—	1
Congenital,	—	1	1
<i>Mental.</i>			
Business trouble and intemperance,	2	—	2
Loss of friends,	—	3	3
Mental shock,	—	1	1
Religious excitement,	1	3	4
Total of mental,	3	7	10
Total of physical,	34	38	72
Unknown,	35	31	66
Total of <i>persons</i> ,	72	76	148

12. Relation to Hospital of Persons Admitted.

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital,	57	59	116
Former inmates of this hospital,	14	14	28
Former inmates of other hospitals in this State,	—	1	1
Former inmates of hospitals in other States,	1	1	2
Former inmates of this hospital and of hospitals in other States,	—	—	—
Former inmates of other hospitals in this State and of hospitals in other States,	—	—	—
Former inmates of foreign hospitals,	—	1	1
Former inmates of this hospital and of foreign hospitals,	—	—	—
Former inmates of hospitals in Montreal,	—	—	—
Total of <i>persons</i> ,	72	76	148

13. Discharges Classified by Admission and Result.

ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	15	6	21	4	2	6	26	26	52	19	16	35	10	15	25	71	65	139
Second,	2	3	5	—	1	1	5	3	8	2	—	2	3	2	5	12	9	21
Third,	—	—	—	—	—	—	1	2	3	—	—	—	—	1	1	1	3	4
Fourth,	—	—	—	—	—	—	2	—	2	—	—	—	—	—	—	2	—	2
Fifth,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Sixth,	—	—	—	1	—	1	1	—	1	—	—	—	—	—	—	2	—	2
Seventh,	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	1	—	1
Total of cases,	17	10	27	5	3	8	36	31	67	21	16	37	13	18	31	92	78	170
Total of persons,	17	10	27	4	3	7	35	31	66	21	16	37	13	18	31	90	78	168

14. *How Supported.*

SUPPORTED AS	PATIENTS ADMITTED.			WEEKLY AVERAGE OF THE YEAR.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, . .	17	13	30	70.826	51.961	122.78
Town patients, . .	40	52	92	129.153	160.230	289.38
Private patients, . .	15	11	26	33.404	32.596	66.00
Total of cases, . .	72	76	148	233.383	244.787	478.16 *

* This weekly average is .39 less than the daily average 478.55.

15. *Cases Discharged Recovered — Duration.*

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 month, . .	6	3	9	5	3	8	—	—	—
From 1 to 3 months, . .	2	1	3	7	1	8	5	1	6
3 to 6 months, . .	—	—	—	3	4	7	—	3	3
6 to 12 months, . .	1	—	1	2	2	4	5	1	6
1 to 2 years, . .	1	2	3	—	—	—	—	—	—
2 to 5 years, . .	2	1	3	—	—	—	2	2	4
5 to 10 years, . .	—	—	—	—	—	—	—	—	—
10 to 20 years, . .	—	—	—	—	—	—	—	—	—
Over 20 years, . .	—	—	—	—	—	—	—	—	—
Unknown,	5	3	8	—	—	—	5	3	8
Total of cases, . .	17	10	27	17	10	27	17	10	27
Total of persons, . .	17	10	27	17	10	27	17	10	27
Average of known cases (in months), . .	7 $\frac{5}{12}$	9 $\frac{4}{19}$	8 $\frac{4}{19}$	3 $\frac{7}{17}$	2 $\frac{1}{2}$	3 $\frac{2}{9}$	15 $\frac{2}{3}$	15 $\frac{1}{7}$	12 $\frac{6}{19}$

16. Cases Resulting in Death — Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	—	—	—	—	—	—	—	—	—
Under 1 month,	2	2	4	2	2	4	—	1	1
From 1 to 3 months,	1	—	1	1	1	2	1	1	2
3 to 6 months,	—	1	1	—	2	2	—	—	—
6 to 12 months,	2	3	5	—	4	4	—	1	1
1 to 2 years,	2	1	3	2	4	6	—	2	2
2 to 5 years,	—	6	6	5	3	8	1	2	3
5 to 10 years,	1	2	3	—	1	1	4	6	10
10 to 20 years,	2	1	3	1	1	2	2	3	5
Over 20 years,	—	1	1	2	—	2	2	1	3
Unknown,	3	1	4	—	—	—	3	1	4
Totals,	13	18	31	13	18	31	13	18	31
Average of known cases (in months),	49 $\frac{3}{10}$	39 $\frac{12}{17}$	43 $\frac{1}{3}$	68 $\frac{4}{13}$	31 $\frac{1}{18}$	46 $\frac{3}{31}$	106 $\frac{2}{5}$	101 $\frac{9}{17}$	103 $\frac{3}{9}$

17. Cases Discharged by Recovery or Death.

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Epilepsy,	—	—	—	1	1	2
Paralysis of the insane,	—	—	—	1	2	3
Mania,	—	—	—	5	3	8
acute,	11	—	11	1	2	3
chronic,	—	—	—	—	2	2
recurrent,	—	1	1	—	—	—
a potu,	1	1	2	—	—	—
puerperal,	—	1	1	—	—	—
Melancholia, acute,	1	1	2	1	1	2
Dementia,	2	2	4	3	4	7
primary,	—	—	—	1	3	4
Dipsomania,	—	1	1	—	—	—
Inebriate,	2	3	5	—	—	—
Totals,	17	10	27	13	18	31

18. *Causes of Death.*

CAUSES.	Males.	Females.	Totals.
Nervous system, —			
Organic disease of the brain, . . .	2	3	5
Exhaustion of acute mania, . . .	1	1	2
Typhomania,	—	1	1
General paralysis of the insane, . . .	1	2	3
Apoplexy,	1	—	1
Paresis,	2	1	3
Epilepsy,	—	1	1
Respiratory, —			
Phthisis,	2	5	7
Zymotic, —			
Erysipelas,	1	—	1
General, —			
Strangulated Hernia,	1	—	1
Enteritis,	1	—	1
Cancer,	1	—	1
Dysentery,	—	1	1
Chronic diarrhœa,	—	1	1
Old age,	—	2	2
Totals,	13	18	31

19. Deaths, Classified by Results of Previous Admissions.

NUMBER OF THE ADMISSION.	RECOVERED.		MUCH IMPROVED.		IMPROVED.		UNIMPROVED.		TOTALS.	
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Totals.
Second,	1	-	1	1	1	2	-	1	1	3
Third,	-	-	-	-	1	1	-	-	-	1
Totals,	1	-	1	1	2	3	-	1	1	4
										7

20. Recoveries, Classified by Results of Previous Admissions.*

NUMBER OF THE ADMISSION.	RECOVERED.		MUCH IMPROVED.		IMPROVED.		UNIMPROVED.		TOTALS.	
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Totals.
Second,	2	3	5	-	-	-	-	-	-	2
Fifth,	-	1	1	-	-	-	-	-	-	-
Totals,	2	4	6	-	-	-	-	-	-	4
										6

* In all cases of more than one admission the classification is based upon the result of the admission next preceding the last, in each case respectively.

21. *Deaths, Classified by Duration of Insanity and of Treatment.*

PERIOD.	DURATION OF INSANITY. "FROM FIRST ATTACK."			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	—	—	—	—	—	—
Under 1 month,	—	2	2	2	2	4
From 1 to 3 months,	—	—	—	1	1	2
3 to 6 months,	1	1	2	—	1	1
6 to 12 months,	—	1	1	—	3	3
1 to 2 years,	3	—	3	2	3	5
2 to 5 years,	3	3	6	4	4	8
5 to 10 years,	—	5	5	—	1	1
10 to 20 years,	1	5	6	1	3	4
Over 20 years,	2	—	2	3	—	3
Unknown,	3	1	4	—	—	—
Totals,	13	18	31	13	18	31
Average of known cases (in months),	106 $\frac{2}{5}$	110 $\frac{8}{17}$	105 $\frac{7}{9}$	67 $\frac{12}{13}$	39 $\frac{5}{9}$	51 $\frac{7}{15}$

22. *Ages of those who Died.*

AGES.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteen years and less,	—	—	—	—	—	—
From 15 to 20 years,	1	1	2	—	—	—
20 to 25 years,	1	1	2	1	1	2
25 to 30 years,	—	—	—	1	1	2
30 to 35 years,	1	2	3	—	1	1
35 to 40 years,	1	2	3	2	1	3
40 to 50 years,	5	5	10	3	6	9
50 to 60 years,	1	4	5	1	5	6
60 to 70 years,	—	1	1	2	1	3
70 to 80 years,	1	2	3	—	—	—
Over 80 years,	1	—	1	2	2	4
Unknown,	1	—	1	1	—	1
Totals,	13	18	31	13	18	31

23. *Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of each Year's Admissions remaining Sept. 30, 1887.*

YEARS.	ADMITTED.			DISCHARGED AND DIED IN 1886-87.														
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			DIED.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
1858, 2 months.	99	129	228															
1858-59, .	42	46	88															
1859-60, .	66	91	157															
1860-61, .	58	46	104															
1861-62, .	51	43	94															
1862-63, .	56	57	113															
1863-64, .	35	30	65															
1864-65, .	54	55	109															
1865-66, .	66	52	118															
1866-67, .	42	69	111															
1867-68, .	54	71	125															
1868-69, .	72	64	136															
1869-70, .	80	103	183															
1870-71, .	93	88	181															
1871-72, .	83	85	168															
1872-73, .	89	69	158															

[illegible]

1873-74,	.	19	38	2	4	6	19	9	6	15	2	—	2	2	3	5	4	4	8
1874-75,	.	14	30	—	—	—	—	—	—	—	—	—	—	—	—	—	11	9	20
1875-76,	.	13	27	—	—	—	—	—	—	—	—	—	—	—	—	—	9	2	11
1876-77,	.	13	29	—	—	—	—	—	—	—	—	—	—	1	—	—	11	10	21
1877-78,	.	9	21	—	—	—	—	—	—	—	—	—	—	—	—	—	3	5	8
1878-79,	.	14	23	—	—	—	—	—	—	—	—	—	—	—	—	—	5	6	11
1879-80,	.	8	18	—	—	—	—	—	—	—	—	—	—	—	—	—	7	10	17
1880-81,	.	9	26	—	—	—	—	—	—	—	—	—	—	—	1	—	10	6	16
1881-82,	.	12	22	—	—	—	—	—	—	—	—	—	—	—	—	—	9	12	21
1882-83,	.	13	30	—	—	—	—	—	—	—	—	—	—	1	—	—	9	21	30
1883-84,	.	24	41	—	—	—	—	—	—	—	—	—	—	—	—	—	14	15	29
1884-85,	.	13	37	—	—	—	—	—	—	2	2	—	—	—	—	—	16	21	37
1885-86,	.	22	47	—	1	2	3	5	3	8	—	—	—	—	1	—	25	42	67
1886-87,	.	14	29	—	1	2	3	3	1	4	—	—	—	—	—	—	42	46	88
Totals,	.	387	756	2	4	6	369	1	9	6	15	2	—	2	3	5	224	245	469

25. *Operations of the Hospital, from the beginning, in each Year.*

	1858.	1858-59.	1859-60.	1860-61.	1861-62.	1862-63.	1863-64.	1864-65.	1865-66.	1866-67.	1867-68.	1868-69.	1869-70.	1870-71.	1871-72.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1877-78.	1878-79.	1879-80.	1880-81.	1881-82.	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	
ADMITTED.	Males, .	99	45	73	70	64	48	70	75	61	68	84	90	109	101	102	105	75	76	68	40	63	59	57	62	78	61	66	85	72	
	Females, .	129	48	94	52	48	68	64	61	77	84	85	112	102	98	79	88	78	77	71	36	43	58	66	62	69	75	70	98	76	
	Totals,	228	93	167	122	112	137	93	134	136	138	152	169	202	211	199	181	193	153	153	139	76	106	117	123	124	147	136	183	148	
Recovered.	Males, .	-	18	-	-	19	-	30	17	15	22	19	31	23	16	25	19	25	16	19	15	7	13	16	7	13	11	9	17	10	16
	Females, .	-	15	-	-	15	-	18	16	9	19	17	18	27	27	15	29	12	13	13	18	19	13	12	13	15	17	16	12	19	8
	Totals,	-	33	33	35	34	28	48	33	24	41	36	49	50	43	40	48	37	29	32	33	26	26	28	20	28	25	29	29	24	
Much Improved.	Males, .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	4	9	6	4	8	5	
	Females, .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	9	-	11	5	2	3	
	Totals,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	13	13	9	17	9	10	8	
Improved.	Males, .	4	9	-	-	25	-	20	14	13	18	20	23	15	23	37	24	21	18	8	17	15	11	15	7	18	16	12	23	36	
	Females, .	-	9	-	-	15	-	18	13	7	15	28	28	43	41	27	22	19	31	13	27	13	12	15	14	15	19	17	36	31	
	Totals,	4	18	18	26	40	25	38	27	20	33	48	51	58	64	60	59	43	49	21	44	28	23	30	21	33	35	29	59	67	
Unimproved	Males, .	2	6	-	-	9	-	4	8	5	9	20	22	31	22	23	27	17	24	15	16	11	9	6	14	21	16	10	20	21	
	Females, .	2	4	-	-	4	-	5	7	3	4	8	43	31	30	27	18	21	23	17	13	3	10	10	13	14	20	16	23	16	
	Totals,	4	10	4	10	13	7	9	15	8	9	17	63	56	61	49	45	38	47	32	29	14	19	16	27	35	36	26	43	37	

DISCHARGED.

[illegible]

26. *Classed Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65,	225.10	48.16	69.83	343.24
1865-66,	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67,	261.96	49.46	89.75	401.17
1867-68,	262.65	47.92	103.06	413.63
1868-69,	248.52	54.98	101.46	404.96
1869-70,	236.19	65.04	107.23	408.46
1870-71,	234.10	77.07	118.38	429.55
1871-72,	226.96	89.57	112.27	428.80
1872-73,	248.02	99.23	90.00	437.25
1873-74,	284.48	102.88	82.06	469.42
1874-75,	274.35	128.34	72.46	475.15
1875-76,	259.19	146.02	68.94	474.15
1876-77,	254.84	161.58	60.02	476.44
1877-78,	211.90	175.71	54.75	442.36
1878-79,	200.34	182.29	54.23	436.86
1879-80,	197.03	198.01	55.46	450.50
1880-81,	180.82	214.15	57.19	452.15
1881-82,	166.84	238.25	56.52	461.61
1882-83,	161.62	247.63	57.58	466.83
1883-84,	155.10	251.23	56.06	462.39
1884-85,	154.44	261.58	59.82	475.84
1885-86,	140.23	270.52	63.61	474.36
1886-87,	122.78	289.38	66.00	478.16

27. *Monthly Consumption of Gas.*

MONTHS.	Cubic Feet.	Daily Average.
1886.		
October,	38,400	1,238.71
November,	47,200	1,573.33
December,	55,950	1,804.84
1887.		
January,	55,250	1,782.26
February,	43,600	1,557.14
March,	38,800	1,251.61
April,	31,150	1,038.33
May,	21,450	691.93
June,	18,300	848.38
July,	19,050	614.51
August,	22,850	737.09
September,	31,850	1,061.66
Totals,	423,850	14,199.79

28. *Supplies for the Several Departments for the Year 1886-87.*

	Sheets.	Pillow-cases.	Bed-spreads.	Blankets.	Bed-ticks.	Pillow-ticks.	Towels.	Curtains.	Wash-bowls.	Ewers.	Chambers.	Mirrors.	Hair Brushes.	Combs.	Carpet Strips.	Plates.	Cups.	Saucers.	Tumblers.	Mugs.	Bowls.	Pitchers.	Syrup-Cups.	Knives.	Forks.	Lanterns.	Scissors.
<i>Men's Department.</i>																											
Upper 1st Hall, . . .	8	28	4	7	2	—	22	12	—	—	3	2	—	—	8	6	24	24	24	42	—	7	2	—	—	—	—
2d Hall, . . .	36	30	6	10	—	—	18	—	—	—	15	—	—	—	6	12	6	30	30	24	—	—	4	—	—	—	—
3d and 4th Halls, . .	66	46	6	—	—	—	18	—	—	—	29	—	2	3	4	24	24	24	—	—	9	2	—	—	—	—	—
Middle 1st Hall, . . .	8	18	6	12	5	24	4	2	—	—	6	—	1	2	2	14	2	30	4	2	—	—	—	—	—	—	—
2d Hall, . . .	27	24	—	6	4	12	12	—	—	—	13	—	1	4	1	24	—	24	3	3	—	—	—	—	—	—	—
3d and 4th Halls, . .	18	18	—	6	—	1	12	—	—	—	14	—	1	—	—	18	—	—	—	—	8	—	—	—	—	—	—
Lower 1st Hall, . . .	24	24	—	—	1	—	6	—	—	—	10	—	2	5	—	—	—	—	—	—	—	—	—	—	—	—	—
2d Hall, . . .	38	12	6	16	—	—	—	—	—	—	37	—	4	1	—	—	—	—	—	—	—	—	—	—	—	—	—
3d and 4th Halls, . .	28	—	—	—	—	—	6	—	—	—	18	—	—	—	—	—	2	—	—	—	—	2	—	—	—	—	—
<i>Women's Department.</i>																											
Upper 1st Hall, . . .	12	—	2	—	1	22	12	4	2	1	6	—	—	—	—	6	12	—	6	—	—	—	—	—	—	—	—
2d Hall, . . .	36	24	6	7	2	—	36	18	2	6	12	6	—	14	2	36	12	30	42	—	18	3	—	—	—	—	—
3d Hall, . . .	52	36	8	12	1	—	30	4	—	—	6	—	—	10	—	6	6	18	30	24	6	6	—	—	—	—	—
4th Hall, . . .	52	32	—	6	3	—	12	5	—	—	18	—	—	16	4	18	30	30	—	—	—	—	—	—	—	—	—
Middle 1st Hall, . . .	24	28	8	4	—	—	42	4	1	—	12	—	—	8	—	60	6	12	18	12	30	—	—	—	—	—	—
2d Hall, . . .	42	72	24	24	2	5	24	2	—	—	48	—	—	52	8	24	—	12	24	12	—	—	—	—	—	—	—
3d Hall, . . .	40	36	6	14	—	—	54	—	—	—	24	—	—	18	2	24	—	12	—	18	—	—	—	—	—	—	—
4th Hall, . . .	24	—	6	—	2	—	30	7	—	—	6	—	—	22	—	18	24	24	36	—	—	—	—	—	—	—	—
Lower 1st Hall, . . .	60	40	12	12	—	10	18	—	1	1	27	—	—	16	—	12	6	6	—	—	6	—	—	—	—	—	—
2d Hall, . . .	64	30	—	36	2	—	36	8	1	—	18	—	—	23	—	12	6	6	—	—	—	—	—	—	—	—	—
3d Hall, . . .	48	24	—	18	—	6	48	4	—	—	42	—	—	4	—	—	—	—	6	—	—	—	—	—	—	—	—
4th Hall, . . .	4	16	—	—	—	—	12	—	—	—	—	—	—	—	—	240	—	48	66	—	26	—	—	—	—	—	—
Kitchen, . . .	—	—	—	—	—	—	12	14	—	—	—	—	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—
Rear, . . .	6	—	—	—	—	32	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Centre, . . .	14	—	16	—	—	—	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Aggregate, . . .	731	541	86	191	25	112	493	81	7	16	364	9	11	225	43	512	214	382	281	157	132	38	5	85	84	4	7

28. *Supplies for the Several Departments for the Year 1886-87 — Concluded.*

	Clothes-bags.	Spoons.	Glass Castors.	Table-spreads.	Napkins.	Tin Plates.	Tin Cups.	Iron Spoons.	Dish Towels.	Rollers.	Wash basins.	Brooms.	Soap, pounds.	Whisks.	Dust brushes.	Scrub-brushes.	Dust-pans.	Mops.	Pails.	Spittoons.	Bracking.	Shoe-brushes.	Spools Thread.	Papers Needles.	Papers Pins.	Rubber Chambers.	
<i>Men's Department.</i>																											
Upper 1st Hall, . . .	1	18	1	2	6	1	4	1	12	12	1	12	40	4	3	1	1	5	1	1	11	1	1	1	1	1	
2d Hall, . . .	1	30	1	1	1	3	12	7	12	12	1	16	48	1	1	1	1	6	3	2	6	1	1	1	1	1	
3d and 4th Halls, . . .	1	12	4	1	1	1	1	1	12	12	1	14	86	3	2	1	1	6	6	1	10	1	1	1	1	1	
Middle 1st Hall, . . .	1	12	3	1	1	1	1	2	12	6	1	24	60	2	2	4	2	4	4	4	13	2	1	1	1	1	
2d Hall, . . .	1	12	1	1	1	1	1	1	12	6	1	31	70	1	1	1	1	4	5	2	16	1	1	1	1	1	
3d and 4th Halls, . . .	1	12	1	1	1	1	1	1	6	12	2	9	20	2	1	1	1	2	1	5	5	1	1	1	1	1	
Lower 1st Hall, . . .	1	12	1	1	1	1	1	1	6	12	2	38	94	1	1	1	1	2	1	5	16	2	1	1	1	1	
2d Hall, . . .	1	12	1	1	1	1	1	1	1	18	1	14	116	1	1	1	1	4	5	1	19	1	1	1	1	1	
3d and 4th Halls, . . .	1	12	1	1	1	1	1	1	1	18	1	14	116	1	1	1	1	4	5	1	19	1	1	1	1	1	
<i>Women's Department.</i>																											
Upper 1st Hall, . . .	1	12	2	2	12	1	1	1	18	1	1	8	26	1	1	1	1	1	3	1	1	1	2	1	2	1	
2d Hall, . . .	4	12	4	1	1	1	36	12	6	1	1	23	54	2	3	1	1	3	4	1	1	1	10	3	6	1	
3d Hall, . . .	1	12	1	5	1	1	12	12	12	1	1	10	52	1	7	1	1	2	2	1	1	1	14	2	11	1	
4th Hall, . . .	1	12	1	1	1	1	1	1	12	1	1	8	40	1	4	1	1	2	2	1	1	1	7	3	10	4	
Middle 1st Hall, . . .	1	12	1	1	1	1	6	48	18	1	1	29	88	1	4	2	1	5	2	1	1	1	26	5	17	1	
2d Hall, . . .	1	12	1	1	1	1	18	84	6	1	1	16	84	1	2	1	1	3	1	1	1	23	4	12	1		
3d Hall, . . .	1	12	1	1	1	1	12	24	6	1	1	13	45	1	1	1	1	3	1	1	9	9	3	4	9	4	
4th Hall, . . .	1	12	1	1	1	1	1	36	24	1	1	16	62	1	1	1	1	2	5	3	1	17	7	2	4	3	
Lower 1st Hall, . . .	2	12	1	1	1	1	12	24	24	1	1	29	98	1	1	1	1	4	4	1	1	10	43	30	10	6	
2d Hall, . . .	1	12	1	1	1	1	1	6	18	12	1	12	75	1	1	1	1	4	5	1	1	18	13	10	3	1	
3d Hall, . . .	1	12	1	1	1	1	1	1	10	24	1	10	24	1	1	1	1	1	1	1	1	1	1	1	3	1	
4th Hall, . . .	1	12	1	4	1	1	43	1	1	1	1	56	64	1	1	3	1	1	9	1	1	1	1	1	1	1	
Kitchen, . . .	2	12	1	1	1	1	6	1	1	1	1	76	142	4	4	1	1	1	8	1	1	1	1	1	1	1	
Rear, . . .	1	12	1	1	1	1	1	1	1	1	1	6	55	4	2	1	1	1	1	1	1	1	1	1	1	1	
Centre, . . .	1	12	1	1	1	1	1	1	1	1	1	6	55	4	2	1	1	1	1	1	1	1	1	1	1	1	
Aggregate, . . .	12	132	26	18	18	63	161	255	222	85	7	497	1,518	30	41	15	10	60	65	20	106	9	189	48	135	28	

29. *Days' Work by Patients.*

MONTHS.	FARM.	KITCHEN.			SEWING- ROOM.	LAUNDRY.		
	Men.	Men.	Women.	Totals.	Women.	Men.	Women.	Totals.
1886.								
October, .	800	155	192	347	213	50	308	358
November, .	718	155	209	364	208	31	324	355
December, .	659	155	200	355	210	49	351	400
1887.								
January, .	613	155	181	336	197	52	348	400
February, .	493	155	169	324	228	48	335	383
March, .	561	155	178	333	213	54	368	422
April, .	643	155	175	330	182	51	321	372
May, .	888	155	194	349	193	52	370	422
June, .	800	155	188	343	178	52	361	413
July, .	797	155	175	330	199	26	343	369
August, .	782	155	184	349	222	44	322	366
September, .	773	155	180	335	221	84	318	402
Totals, .	8,529	1,860	2,225	4,085	2,454	593	4,069	4,662

The patients whose work is recorded in this table were employed as many hours in the day as were the employees in each of the several departments, respectively. The total number of days' work is 20,730, to which may be added 341 days by men in the mattress room, making an aggregate of 21,071 days.

No record was kept of the time of work on the ornamental grounds, at the stable, in the bakery, the boiler room and the carpenter's shop. A large amount of other work was done, both in the halls and at irregular times out of them.

30. List of Articles made in the Sewing-Room.

Dresses,	284	Napkins hemmed,	93
Waists,	22	Curtains,	117
Chemises,	261	Sheets,	548
Drawers,	128	Pillow-cases,	726
Skirts,	270	Spreads,	102
Night-dresses,	33	Bed-ticks,	98
Burial robes,	6	Pillow-ticks,	48
Hats trimmed,	12	Cushions,	21
Shirts,	371	Clothes-bags,	13
Suspenders, pairs,	292	Dish-towels,	487
Collars,	172	Roller-towels,	222
Aprons,	387	Carpets made,	13
Handkerchiefs hemmed,	48	Carpet-strips hemmed,	107
Camisoles,	40	Ox-blankets,	4
Table-spreads,	5	Articles repaired,	15,832
Table-cloths,	15		

31. Upholstery Done in the Year.

Hair mattresses overhauled, hair repicked,	115
Hair mattresses made, new materials,	39
New husk underbeds made, new materials,	20
Old underbed ticks filled with new husks,	108
Hair pillows made, new materials,	28
Hair pillows overhauled, hair repicked,	43
Cushions made, new material,	54

32. *Annual Cost of Gas.*

Y E A R .	Cost of Gas.	Average Number of Patients.	Cost per Patient.
1860-61,	\$2,030 39	314.26	\$6 46
1861-62,	2,085 29	313.80	6 64
1862-63,	2,109 02	355.63	5 93
1863-64,	2,069 79	357.63	5 78
1864-65,	1,653 05	342.40	4 82
1865-66,	1,107 98	376.35	2 94
1866-67,	1,056 16	401.03	2 63
1867-68,	1,022 51	413.41	2 47
1868-69,	903 92	405.10	2 23
1869-70,	915 30	408.83	2 23
1870-71,	1,043 99	421.90	2 47
1871-72,	980 94	428.72	2 28
1872-73,	1,006 61	437.23	2 30
1873-74,	1,066 74	469.54	2 27
1874-75,	1,012 63	475.35	2 13
1875-76,	1,089 82	474.21	2 29
1876-77,	1,033 59	476.16	2 17
1877-78,	1,066 02	442.43	2 41
1878-79,	1,033 05	436.73	2 37
1879-80,	945 00	450.51	2 10
1880-81,	949 65	451.79	2 10
1881-82,	919 13	461.66	2 00
1882-83,	992 10	466.76	2 10
1883-84,	1,031 55	463.05	2 23
1884-85,	912 49	475.94	1 92
1885-86,	882 90	474.4	1 86
1886-87,	854 97	478.54	1 79

33. Trustees of the Northampton Lunatic Hospital.

NAMES.	Residence.	When app'ted.	Service ended.	From what cause.
Charles E. Forbes,*	Northampton, .	1856	1857	Term expired.
Lucien C. Boynton,*	Uxbridge, .	1856	1858	" "
Eliphalet Trask, .	Springfield, .	1856	1875	" "
John C. Russell,*	Great Barrington,	1856	1859	Resigned.
Horace Lyman, .	Greenfield, .	1856	1857	Removed.
Charles Smith, .	Northampton, .	1857	1860	Resigned.
Luther V. Bell,*	Somerville, .	1857	1859	"
Zebina L. Raymond,*	Greenfield, .	1858	1859	"
Franklin Ripley,*	Greenfield, .	1859	1860	Died in office.
Edward Dickinson,*	Amherst, .	1859	1864	Resigned.
Walter Laffin,*	Pittsfield, .	1859	1866	Term expired.
Silas M. Smith, .	Northampton, .	1860	1863	" "
Charles Allen, .	Greenfield, .	1860	1861	Resigned.
Alfred R. Field,*	Greenfield, .	1861	1864	"
Edward Hitchcock, .	Amherst, .	1863	1879	"
Silas M. Smith,*	Northampton, .	1864	1887	Died in office.
Edmund H. Sawyer,*	Easthampton, .	1864	1879	" "
Henry L. Sabin,*	Williamstown, .	1866	1876	Term expired.
Adams C. Deane, .	Greenfield, .	1875	—	Still in office.
Henry W. Taft, .	Pittsfield, .	1876	—	" "
William M. Gaylord,	Northampton, .	1879	1883	Term expired.
Lyman D. James, .	Williamsburg, .	1879	—	Still in office.
Christopher Merritt,	Springfield, .	1883	—	" "
Sarah A. Woodworth,	Chicopee, .	1884	—	" "
Sarah M. Butler, .	Northampton, .	1884	—	" "
John L. Otis, .	Florence, .	1887	—	" "

* Deceased.

34. *Officers and Employees.*

Time employed, Oct. 1, 1887.

NAMES.	Years.	Months.	Days.
Edward B. Nims, M.D., Superintendent,	18	9	16
David G. Hall, M.D., 2d Assistant Physician,	4	3	20
Emily F. Wells, M.D., 3d Assistant Physician,	2	9	—
Walter B. Welton, Clerk,	21	7	16
John Mercier, Farmer,	20	2	—
Danford Morse, Engineer,	22	6	9
Robert H. Gallivan, Supervisor,	14	5	13
Lucy A. Gilbert, Supervisor,	20	7	20
F. Josephus Rice, Steward,	28	11	26
Susan A. Miller, Seamstress,	—	2	17
Nettie Lyman, Laundress,	—	2	7
George B. Walker, Baker,	3	3	22
Gertrude C. Arnold, Assistant Clerk,	3	8	27
Idelle M. Dodge, Assistant Supervisor,	—	5	21
Netta M. Buxton, Assistant Seamstress,	—	3	5
Jennie B. Morse, Assistant Laundress,	—	9	29
Mary Meagher, Assistant Laundress,	1	4	21
Henry W. Esty, Attendant,	5	6	7
William J. Douglass, Attendant,	5	6	5
John L. Howard, Attendant,	5	3	25
James M. Shipperly, Attendant,	2	8	1
William J. Estler, Attendant,	2	1	27
Thomas Lavelle, Attendant,	1	6	23
James E. Gerald, Attendant,	1	5	28
Charles J. Gale, Attendant,	1	3	14
John McCalman, Attendant,	—	6	13
Anson T. Hale, Attendant,	—	5	—
Robert McNaughton, Attendant,	—	2	30
P. B. Prentiss, Attendant,	—	2	—
Maria E. Graves, Attendant,	19	8	9
Jane McGuire, Attendant,	12	5	5
Cecile Riel, Attendant,	10	11	25
Frances F. Poor, Attendant,	8	11	15
Flora R. Brown, Attendant,	4	9	25
Jeanette McLean, Attendant,	4	1	3
Nellie D. Parker, Attendant,	3	6	17
Philomene Goyette, Attendant,	4	6	13
Nellie E. Stearns, Attendant,	2	3	2
Effie Clapp, Attendant,	1	3	17
Elizabeth M. Pomeroy, Attendant,	1	2	5
Lucie L. Barrett, Attendant,	1	—	12
Alice Davis, Attendant,	—	1	10
Jessie A. Rand, Night Watch,	6	3	11
Lena Marble, Farmers' Dining Room,	2	2	7
Hattie Darling, Centre,	—	10	—
Thomas C. Powers, Assistant Steward,	13	6	11
Mary Sweeney, Centre,	3	1	1
Lillian M. Douglass, Cook,	5	11	22
Isabella Andrews, Assistant Cook,	—	3	19

34. *Officers and Employees — Concluded.*

NAME.	Years.	Months.	Days.
Jeanette Loomis, Assistant Cook, . . .	—	1	15
Lillie B. Rhodes, Assistant Cook, . . .	—	1	10
Mary A. Carnes, Rear, . . .	4	3	—
William C. Hall, Assistant Engineer, . . .	22	—	20
Nicholas Riel, Night Engineer, . . .	11	9	25
Moses Bartlett, Watchman, . . .	2	6	—
Sifroi Belville, Carpenter, . . .	17	5	7
Walter Tower, Carpenter, . . .	10	10	—
Alfred Parenteau, Painter, . . .	22	1	18
David Mercier, Coachman, . . .	10	7	14
Benjamin Rockwell, Assistant Farmer, . . .	20	4	—
Julius Freeman, Assistant Farmer, . . .	10	2	24
Henry Wilson, Assistant Farmer, . . .	8	5	8
James Madden, Assistant Farmer, . . .	12	—	29
Eugene Sullivan, Assistant Farmer, . . .	12	5	—
Erie Ditty, Assistant Farmer, . . .	4	9	7
George E. Hunter, Assistant Farmer, . . .	1	5	19
James R. Phillips, Assistant Farmer, . . .	—	4	18
Loren Tower, Car Boy, . . .	2	—	18

THIRTY-THIRD ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1888.

BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS.

18 POST OFFICE SQUARE.

1889.



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NOV 30 1880

STATE HOUSE, BOSTON

Officers of Court.

MASS. STATE
TO
OFFICIALS

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OFFICERS

OF THE

NORTHAMPTON LUNATIC HOSPITAL.

TRUSTEES.

MRS. SARAH M. BUTLER,	NORTHAMPTON.
MRS. SARAH A. WOODWORTH,	. . . . .	CHICOPEE.
ADAMS C. DEANE, M.D.,	. . . . .	GREENFIELD.
HENRY W. TAFT, Esq.,	. . . . .	PITTSFIELD.
HON. JOHN L. OTIS,	. . . . .	NORTHAMPTON.
LYMAN D. JAMES, Esq.,	. . . . .	WILLIAMSBURG.
NEHEMIAH A. LEONARD, Esq.,	. . . . .	SPRINGFIELD.

RESIDENT OFFICERS.

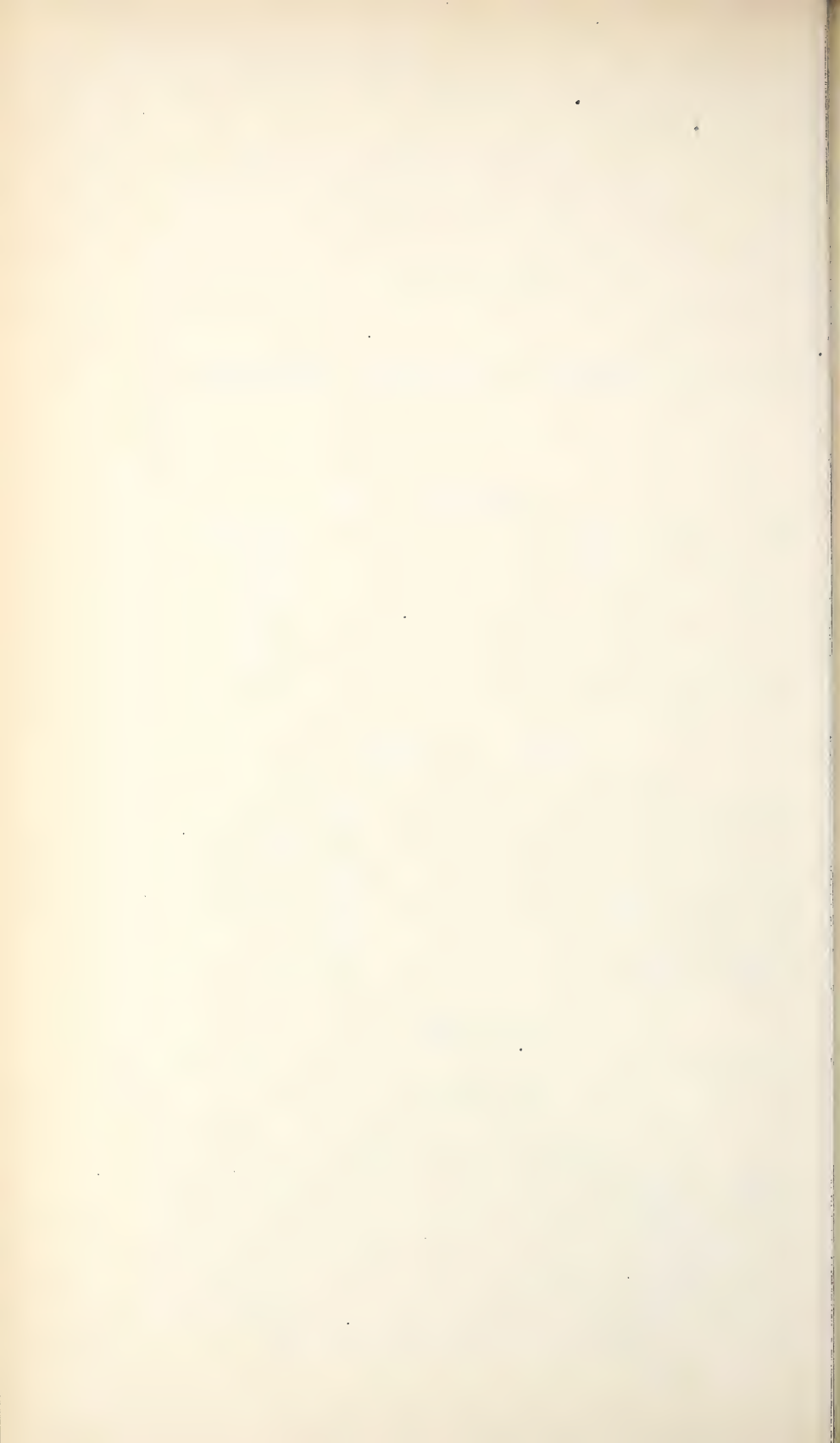
EDWARD B. NIMS, M.D.,	. . . . .	<i>Superintendent.</i>
EDWARD B. LANE, M.D.,	. . . . .	<i>First Assistant Physician.</i>
DAVID G. HALL, M.D.,	. . . . .	<i>Second Assistant Physician.</i>
EMILY F. WELLS, M.D.,	. . . . .	<i>Third Assistant Physician.</i>
WALTER B. WELTON,	. . . . .	<i>Clerk.</i>
JOHN MERCIER,	. . . . .	<i>Farmer.</i>
DANFORD MORSE,	. . . . .	<i>Engineer.</i>

TREASURER.

EDWARD B. NIMS,	. . . . .	NORTHAMPTON.
Office at the hospital.		

SUBORDINATE OFFICERS.

ROBERT H. GALLIVAN,	. . . . .	<i>Male Supervisor.</i>
LUCY A. GILBERT,	. . . . .	<i>Female Supervisor.</i>
F. JOSEPHUS RICE,	. . . . .	<i>Steward.</i>
SUSAN A. MILLER,	. . . . .	<i>Seamstress.</i>
NETTIE LYMAN,	. . . . .	<i>Laundress.</i>
GEORGE B. WALKER,	. . . . .	<i>Baker.</i>



Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The thirty-third annual report of the Trustees of the Northampton Lunatic Hospital for the fiscal year 1887-88 is herewith presented for your consideration, together with the reports of the Treasurer and Superintendent and the tables of statistics.

The changes in the population, improvements, expenditures and receipts, and the general results of the year's work, are given in detail. A review of the operations and condition of the hospital, as observed by us at the monthly meetings and inspections and at other frequent visits, enables us to say that the year has been a successful one. The freedom from any unusual accident, the condition of the patients and the financial prosperity of the institution, afford sufficient proof that the affairs of the hospital have been carefully managed. The continued increase in the number of admissions is noticeable. This number was larger by eighteen than in the preceding year, and larger by eight than in any former year in the history of the institution, not including the transfers from other hospitals which were formerly made in large numbers. All the patients admitted within the past year with one exception were from the four western counties of the State. It is evident from these facts that the time is not far distant when the present accommodations for the insane in western Massachusetts will be insufficient, and that relief in some direction will become necessary.

About eighty patients of the chronic class still remain in the hospital, whose residence or legal settlement is in the eastern part of the State. A large portion of these were transferred from the eastern hospitals in former years.

The number of patients in the hospital at the beginning of the year was 469 : of men, 224, of women, 245. The number admitted during the year was 166 : of men, 87, of women, 79 ; of these 56 were supported by the State, 87 by towns and cities and 23 by individuals. The whole number of cases under treatment in the year was 635 : of men, 311, of women, 324. The number discharged was 154 : of men, 79, of women, 75. Included in this number were 31 deaths, 14 men and 17 women. The number remaining at the end of the year was 481 : of men, 232, of women, 249. The average daily number was 470.25 : of men, 225.88, of women, 244.37. Thirty-six patients were discharged as recovered, 9 as much improved, 46 as improved, 29 as unimproved and 2 as not insane. No suicide has occurred in the hospital since October, 1884. The sanitary condition of the hospital has been good. No epidemic has prevailed, nor has there been any case of contagious disease. The changes in the sanitary apparatus which have been made during the past few years have resulted in a noticeable improvement in the ventilation of the hospital. The year has not been marked by any very important improvements. Still, the extraordinary repairs and the changes which were thought to be necessary have been carried on. The repairs on the roof of the main building have been unusually large. The relaying of the floor in many of the halls and rooms with the best quality of quartered hard pine has been continued, so that the hospital is now supplied with floors of the best description. Fifty-six large black walnut settees, of a thorough and substantial as well as elegant make, have been placed in the halls. For many years past considerable attention has been given to the under-draining of the grounds about the buildings and farm generally. A drain built of brick, two feet in diameter and eleven hundred feet in length, was constructed in the highway from the river near the bridge to the foot of the hill, affording an outlet to the system of drains in the street above. The farm improvements have also been

continued, in the construction of several large and expensive drains, building of roads and culverts and reclaiming waste land. The result is a continual increase in the productiveness and value of the farm. The improvement in appearance in portions of the premises is also noticeable. The demand for repairs, both usual and extraordinary, and for changes and improvements, are continual in institutions of this kind. Without constant care and vigilance the buildings and premises will soon deteriorate. The amounts of money expended for this purpose often appear to be large, yet they are necessary if the hospitals are kept in good working order. An addition was made to the farm by the purchase of a pasture containing about thirty acres situated in the town of Williamsburg. The arrangement of the farm is now more convenient, as the amount of pasture has hitherto been too small. This purchase increases the amount of land belonging to the hospital to about three hundred and ninety-five acres.

The law fixing the price of board for patients supported by towns and cities has always been construed as allowing the hospital to make additional charges for clothing furnished to these patients, and also for damages done by them to the property of the institution. It has been the custom to make these charges since the opening of the hospital, for nearly thirty years, and they have been assented to and paid by all the city and town authorities without question.

Within the past year the interpretation of the law was given by the Attorney-General to the effect that such additional charges were illegal, and, acting upon this interpretation, many towns and cities declined to pay them. We have continued to make these charges as heretofore, but in deference to the opinion of the Attorney-General, we have not presented these accounts for payment to the different cities and towns of the Commonwealth since April 1 of the present year, and probably shall not do so until the correctness of the meaning of the statute as understood by all parties interested, with the new interpretation given to it by the Attorney-General, has been passed upon by the Supreme Judicial Court. This proposition to reduce the income of the hospital is much regretted by the trustees, as it cuts off

a large portion of the funds which it has been the custom to expend in improvements. The experience of many years proves that a reasonable surplus contributes very much to an economical management of the hospital. It enables us to take advantage of favorable prices in purchases, to make repairs when needed, to meet the exigencies of accidents, and lessens the necessity of asking for special appropriations. It is only by strict economy that the hospital can live within its regular income. It does not contribute to good work, nor is it a stimulus to the best effort among those who labor in the hospital from year to year, to be continually studying on how small a sum they can subsist those who are under their care.

It will be noticed that the expenditures outside of actual current expenses are less than usual. It was thought best to curtail these as far as possible, in view of other probable demands upon the funds of the institution.

The Treasurer's report which is appended gives the amounts of each class of expenses. The money received for the board of patients during the year is as follows :—

For State patients,	\$19,823 64
town patients,	49,843 41
private patients,	17,264 99
<hr/>	
Total,	\$86,932 14

No change has occurred in the official staff of the hospital among those who were in office at the beginning of the year.

Dr. Edward B. Lane, formerly first assistant physician at the Boston Lunatic Hospital, was appointed to the office of first assistant physician March 1.

A. C. DEANE,
SARAH M. BUTLER,
SARAH A. WOODWORTH,
HENRY W. TAFT,
J. L. OTIS,
LYMAN D. JAMES,
N. A. LEONARD,

Trustees.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1888.

Superintendent and physician,	per year, \$2,500 00
Assistant physician, first,	" 1,200 00
Assistant physician, second,	" 1,000 00
Assistant physician, third,	" 900 00
Treasurer,	" 300 00
Treasurer, for clerk hire and paid to clerk,	" 200 00
Clerk,	" 1,200 00
Farmer,	" 700 00
Engineer,	" 900 00
Assistant clerk,	per month, 25 00
Supervisor (male),	" 40 00
Supervisor (female),	" 30 00
Assistant supervisor (female),	" 20 00
Seamstress,	" 20 00
Assistant seamstress,	" 16 00
Laundress,	" 18 00
Assistant laundress,	" 18 00
Assistant laundress,	" 16 00
Baker,	" 40 00
Steward,	" 58 33
Assistant steward,	" 35 00
Attendants (male, 8),	" 30 00
Attendants (male, 3),	" 23 00
Attendants (male, 2),	" 21 00
Attendants (female, 14),	" 18 00
Attendant (female, 1),	" 20 00
Attendant (female, 1),	" 14 00
Night-watch (female),	" 18 00
Housework, centre (female, 2),	" 16 00
Housework, centre (female, 1),	" 15 00
Cook (female),	" 18 00
Assistant cook (male),	" 18 00
Assistant baker (male),	" 10 00
Assistant cooks (female, 3),	" 15 00

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Farmers' dining-room (female),	per month,	\$15 00
Housework, rear building (female),	"	10 00
Watchman,	.	.	.	.	"	30 00
Carpenter,	.	.	.	.	per day,	2 25
Carpenter,	.	.	.	.	"	2 00
Painter,	.	.	.	.	per month,	50 00
Assistant engineer,	.	.	.	.	"	32 00
Night engineer and gardener in summer,	.	.	.	.	"	30 00
Coachman,	.	.	.	.	"	28 00
Farm hands (6),	.	.	.	.	"	28 00
Farm hand (1),	.	.	.	.	"	25 00
Farm hand (1),	.	.	.	.	"	23 00

In the warm season we generally hire some farm hands by the day. This year we had four at \$1.50 per day, without board.

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1888.

Live stock on hand,	\$8,051 00
Produce of farm on hand,	9,843 75
Carriages and agricultural implements,	3,120 00
Machinery and mechanical fixtures,	6,660 00
Beds and bedding in inmates' department,	12,500 00
Other furniture in inmates' department,	5,900 00
Personal property of State in Superintendent's department,*	9,000 00
Ready-made clothing,	3,329 50
Dry goods,	3,004 32
Provisions and groceries,	3,354 33
Drugs and medicine,	850 00
Fuel,	6,472 30
Library,	1,000 00
Paints and oils,	550 00
<hr/>	
Total,	\$73,635 20

*This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing-room and other apartments.

TREASURER'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

I hereby present my report, as Treasurer of the hospital, for the fiscal year ending with the 30th of September, 1888. It contains, as usual, an appraisal of the property of the institution, an account of the receipts and the disbursement of money during the year, and the financial condition at its close.

ASSETS.

Three hundred and ninety-four acres of land,	\$45,800 00,
Hospital building,	250,000 00
Farm house, \$2,000; brick house, \$2,000, .	4,000 00
Three dwellings (H. Day lot),	1,500 00
Storehouse and shops,	16,000 00
Two barns,	5,500 00
Horse stable,	2,000 00
Scullery and wood house,	700 00
Lumber house,	1,100 00
Pump house,	1,000 00
Cart shed,	500 00
Coal house,	150 00
Piggery,	3,000 00
Cattle shed,	1,200 00
Fire proofs for oils and paints,	500 00
Two ice houses,	500 00
	<hr/> \$333,450 00

PERSONAL ESTATE.

Stock and supplies on hand, as per inventory appended to the Trustees' report,	\$73,635 20
Reserve Fund,	10,000 00

RECEIPTS.

Cash on hand Sept. 30, 1887,	\$5,483 02
Received from the State Treasurer,	19,640 30
from towns,	52,340 52
from individuals,	17,157 66
from sales,	2,636 76
from interest,	615 20
	<hr/>
	\$97,873 46

PAYMENTS.

1st. Salaries and labor,	\$28,950 93
2d. Provisions and supplies, viz.:—	
Meats of all kinds,	\$5,855 76
Fish of all kinds,	1,516 67
Fruit and vegetables,	2,163 27
Flour,	2,696 50
Grain and meal for table,	1,093 94
Tea, coffee and chocolate,	944 93
Grain and meal for stock,	3,138 54
Sugar and molasses,	2,020 81
Butter and cheese,	4,667 22
Salt and other groceries,	1,794 51
All other provisions,	668 56
	<hr/>
	26,560 71
3d. Clothing,	3,490 03
4th. Fuel and lights,	8,564 85
5th. Medicines and medical supplies,	1,202 59
6th. Furniture, beds and bedding,	4,069 66
7th. Transportation and travelling expenses,	271 06
8th. Ordinary construction and repairs,	2,566 98
9th. Extraordinary construction and repairs,	3,199 33
10th. Miscellaneous expenses, including,—	
1. Real estate,	\$800 00
2. Farm stock,	1,145 30
3. Farm supplies,	3,669 31
4. Water,	1,177 90
5. Minor expenses,	917 85
6. Contingencies,	935 63
	<hr/>
	8,645 99
	<hr/>
Total expenditures,	\$87,522 13

LIABILITIES.

Salaries and wages due Oct. 1, 1888,	\$3,921 83
Miscellaneous bills due,	1,912 22
	<hr/>
	\$5,834 05

16 NORTHAMPTON LUNATIC HOSPITAL. [Oct.

Due the institution for board Oct. 1, 1888,—

from State,	\$4,950 05	
towns,	13,751 73	
individuals.	4,484 25	
interest,	100 00	
treasurer, Sept 30, 1888, . . .	10,351 33	
	<hr/>	\$33,637 36

SUMMARY.

Total receipts,	\$97,873 46
Total payments,	87,522 13
	<hr/>
Cash on hand Sept. 30, 1888,	\$10,351 33
Total liabilities,	\$5,834 05
Total debts due the institution,	33,637 36
Total expenditures,	87,522 13

Dividing this sum by 470.25, the average number of patients,

we have the average expenditure per patient, . . .	\$186 11 ⁸² ₁₀₀
And the average weekly expenditure per patient, . . .	3 55 ⁹⁶ ₁₀₀

Deducting from the total expenditures,	\$87,522 13
The extraordinary expenses,	3,999 33
	<hr/>

We have the current expenses,	\$83,522 80
-----------------------------------------	-------------

Dividing \$83,522.80 by 470.25, the average number of pa-

tients, we have the average expenditure per patient, . . .	\$177 61 ⁸⁶ ₁₀₀
Making the average weekly expenditure per patient, . . .	3 39 ⁸⁰ ₁₀₀

Deducting the increase of personal assets,	\$1,520 93
From the current expenses,	83,522 80

We have the <i>necessary</i> cost for the year,	\$82,001 87
-----------------------------------------------------------	-------------

Dividing \$82,001.87 by 470.25, the average number of pa-

tients, we have, as the annual cost of each patient, . . .	\$174.379
Making the average weekly cost of each patient,	3.33 ⁵¹ ₁₀₀

EDWARD B. NIMS,

Treasurer.

We have examined, as auditors, the accounts of the Treasurer, and found a satisfactory voucher for every entry.

A. C. DEANE,
SARAH M. BUTLER,
Auditors.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The Superintendent presents for your consideration his report for the year 1887-88.

The following table gives the general statistics concerning the patients who have been under treatment within the year :

1. General Statistics, 1887-88.

	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1887,	224	245	469
Admitted within the year,	87	79	166
Whole number of cases within the year,	311	324	635
Discharged within the year,	79	75	154
Viz.: as recovered,	23	13	36
much improved,	3	6	9
improved,	25	22	47
unimproved,	12	17	29
Deaths,	14	17	31
Not insane,	2	—	2
Patients remaining Sept. 30, 1888,	232	249	481
Viz.: supported as State patients,	61	54	115
town patients,	137	161	298
private patients,	34	34	68
Number of different persons within the year,	305	319	624
Persons admitted,	82	76	158
recovered,	22	13	35
Daily average number of patients,	225.88	244.37	470.25

On the 1st of October, 1888, six women and five men were transferred from State to town charge. Hence the new year will begin with—

State patients,	56	48	104
Town patients,	142	167	309

Four hundred and sixty-nine patients were present in the hospital at the beginning of the year, 224 of whom were men and 245 women. The admissions during the year were 166, of whom 87 were men and 79 women. These admissions were all from the general population, no transfers having been received from other institutions. This number is larger than ever before in the history of the hospital. The total number of cases under treatment for the year was 635, of whom 311 were men and 324 women. The whole number of persons under treatment in course of the year was 624.

The number of persons admitted was 158; one man and two women were discharged and readmitted; one man and three women were admitted, discharged and readmitted. Two men were admitted and discharged twice, and one man was admitted and discharged three times, all within the year.

Of the 166 cases admitted, 122 were first admissions; 35, second; 6, third; and 3, fifth.

One hundred and six of those admitted were of American birth, and sixty of foreign.

The daily average, 470.25, is a little less than in the preceding year. The largest number in the house on any one day was 482.

Of those admitted, 47 were suffering from marked acute disease; 11 were suicidal; 15 were homicidal; 4 were epileptics; 5 were paretic; 98 were cases of mania; 12 of melancholia. In 24 cases there was well-marked dementia. Seven cases were committed under the inebriate law. Fifty-eight persons had been insane more than six months. The percentage of cases which recover after this duration is comparatively small. In some forms of insanity it is practically certain that a permanent cure is out of the question.

The number of cases discharged was 154: of men, 79; of women, 75. The number of persons discharged was 150: of men, 75; of women, 75.

STATUS OF PATIENTS.

The status of the patients in the hospital has not materially changed within the year past.

The number of patients supported by the State at the

beginning of the year was 104, by towns and cities 300, by individuals 65.

Of the 166 patients admitted during the year, 56 were supported by the State, 87 by towns and cities, and 23 by individuals.

Of the 154 patients discharged, 47 were supported by the State, 87 by towns and cities, and 20 by individuals.

Remaining at the end of the year, 115 State patients, 298 town patients, and 68 private patients.

A considerable number of patients whose board bills are charged to towns and cities, and whose names are entered upon the hospital records as town patients, are in reality supported by individuals, the towns or cities being indemnified for the expenses.

The following table shows the weekly average number in each class for two years past, and the changes in status as compared with the preceding year:—

	1886-87.			1887-88.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, .	70.826	51.961	122.78	60.37	51.80	112.17
Town patients, .	129.153	160.230	289.38	132.88	161.13	294.01
Private patients, .	33.404	32.596	66.00	32.67	31.34	64.01

RECOVERIES.

It is perhaps hardly worth the while to repeat what has been in substance frequently stated in former reports concerning this subject. It is still our belief that the number of reported recoveries varies in different hospitals according to the standard adopted by the physicians in charge. It is the custom of this hospital to apply the term recovered to those cases only where the restoration appears to be complete, and in which the probability of a return of the disease is extremely small. We are not willing to sacrifice what we believe to be the true principle in these cases.

The State hospitals labor under a disadvantage in that

they have no choice in the character of the patients admitted, being compelled to receive all that are committed.

The fairest method of reckoning the percentage of recoveries is to make the estimate on the number of the cases admitted in which there is a reasonable probability of cure. Every hospital physician knows that in large numbers of cases he can decide at once upon examination that recovery is practically out of the question.

Of the 166 cases admitted during the year to this hospital 55 per cent. could be justly pronounced as probably incurable. Thirty-six patients were discharged as recovered. Twelve recoveries are reported among the 122 first admissions, and one among the 35 of second.

The ratio of persons recovered to the number admitted was 22.15 per cent.

The ratio of persons recovered to the number discharged was 23.65 per cent.

The ratio of persons recovered to the number discharged, exclusive of deaths, was 29.91 per cent.

DISCHARGE ON PROBATION.

Thirty-seven patients were discharged on probation under the sixty-days law. Of these, 36 were discharged at the end of the sixty days and 1 returned to the hospital; 25 of this number went to their homes, 8 to almshouses and 4 to board in families.

Nearly the whole number of these were patients who were not regarded as fully recovered, and most of them were cases of such a character as to make a trial necessary before the officers in charge could decide as to the advisability of a permanent discharge.

During the past three years 25 patients who were removed by the Board of Lunacy and Charity, and boarded in families, were discharged under this law. Of this number two returned to the hospital on account of physical disabilities which needed special treatment, and two by reason of a recurrence of maniacal excitement. The success of this experiment seems to justify us in believing that many of the quiet chronic cases can be safely and properly cared for in this manner under suitable supervision.

Many cases of a similar character are removed from the hospitals and cared for by friends. In the latter instance personal interest enters more largely into the motive for removal, and their subsequent care and treatment.

DEATHS.

The number of deaths for the year was 31, this being the same number as for the year preceding. The daily average population being a little smaller, makes the percentage of deaths a little larger than in the previous year, as will be seen from the table of percentages.

In a large proportion of the cases the disease was chronic in character. In many others the cause was the result of long-continued abnormal conditions. Seven deaths were caused by consumption, two by Bright's disease and two by heart disease of long standing. Three persons who had been for many years in the hospital died of chronic brain disease. In three cases, apoplexy following other disease was the cause of death, — one of a woman who had been an inmate of the hospital one day. One woman, who had disease of the heart for years, was brought to the hospital in an exhausted condition, and soon died. Two patients died of epilepsy of long standing, one of paralysis; one patient, an aged woman, of maniacal exhaustion. One man, who had been confined to his bed for two years from nervous affections, died of exhaustion. One man who had been a patient for twenty-eight years, and who had been accustomed to work about the barns for over twenty years, fell through a scuttle by accident, producing fracture of the skull. One man eighty-five and one woman ninety-two years of age died without any apparent disease. One person only died of general paralysis.

The amount of acute disease has been unusually small. The hospital has been free from any case of suicide for nearly four years.

The ratio of deaths to the daily average number of patients was 6.59 per cent.; to the total number of cases treated, 4.88 per cent.

Of the 31 persons who died, 6 were supported by the State, 21 by cities and towns, and 4 by individuals. The

22 NORTHAMPTON LUNATIC HOSPITAL. [Oct.

usual table of the annual number of deaths and ratio is appended.

Deaths and their Ratios from Sept. 30, 1858, to Oct. 1, 1888.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Aver- age No. of Patients.	DEATHS.			Per cent. on Whole No. of Patients treated.	Per cent. on Daily Aver- age No. of Patients.
			Men.	Women.	Totals.		
1858-59, .	313	229.55	7	12	19	6.07	8.27
1859-60, .	398	255.96	9	18	27	6.78	10.54
1860-61, .	434	314.26	15	15	30	6.91	9.54
1861-62, .	442	313.80	9	10	19	4.29	6.05
1862-63, .	470	355.28	19	7	26	5.53	7.31
1863-64, .	475	357.63	17	30	47	9.89	13.14
1864-65, .	469	342.40	17	24	41	8.76	11.97
1865-66, .	488	376.35	18	13	31	6.35	8.23
1866-67, .	543	401.03	23	24	47	8.65	11.71
1867-68, .	565	413.41	25	17	43	7.61	10.40
1868-69, .	590	405.10	13	12	25	4.23	6.17
1869-70, .	604	408.83	22	11	33	5.46	8.07
1870-71, .	616	421.90	16	12	28	4.54	6.64
1871-72, .	619	428.72	19	18	37	5.97	8.63
1872-73, .	614	437.23	13	8	21	3.42	4.80
1873-74, .	626	469.54	14	11	25	3.99	5.32
1874-75, .	629	475.35	23	18	41	6.52	8.62
1875-76, .	629	474.21	18	19	37	5.88	7.80
1876-77, .	603	476.16	21	21	42	6.96	8.82
1877-78, .	551	442.43	14	9	23	4.17	5.19
1878-79, .	535	436.73	14	9	23	4.29	5.27
1879-80, .	559	450.51	17	12	29	5.19	6.44
1880-81, .	569	451.79	16	10	26	4.57	5.75
1881-82, .	587	461.66	24	14	38	6.47	8.23
1882-83, .	606	466.76	17	13	30	4.95	6.42
1883-84, .	605	463.05	12	13	25	4.13	5.39
1884-85, .	599	475.94	16	11	27	4.51	5.67
1885-86, .	659	474.4	14	12	26	3.94	5.48
1886-87, .	639	478.55	13	18	31	4.85	6.47
1887-88, .	635	470.25	14	17	31	4.88	6.59

WORSHIP AND ENTERTAINMENT.

The following table gives a list of the assemblies of patients during the year :—

Exercises in Chapel.

1. ON THE SABBATH,—

Divine worship,	53 days.
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2. ON SECULAR EVENINGS,—

(a) *Readings and Recitations, opened and closed with music :*

The Bible and selections of poetry,	. . . . .	49 days.
The Bible and selections of prose,	. . . . .	2 “
The Bible and selections of poetry and prose,	. . . . .	2 “
Miscellaneous selections of prose,	. . . . .	82 “
Miscellaneous selections of poetry,	. . . . .	5 “
Miscellaneous selections of poetry and prose,	. . . . .	75 “
Recitations,	. . . . .	1 “

(b) *Other Entertainments :*

Pictures shown with the stereopticon,	. . . . .	8 “
Concerts,	. . . . .	2 “
Ventriloquism,	. . . . .	1 “
Sleight of hand,	1 “

(c) *Social Assemblies :*

Quadrille parties,	20 “
No assembly,	65 “

Total,	366 days.
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Religious services were held in the chapel on Sabbath afternoons. The average attendance at service was 279, the largest number was 293, the smallest, 261.

The evening assemblies were omitted on Tuesday and Friday evenings in the months of June, July, August and September, and on the evenings of days in which official visits were made to the hospital.

Thanksgiving Day was observed with the usual Thanksgiving dinner and a dance in the evening. A special entertainment was prepared for Christmas Eve, consisting mainly of exercises appropriate to the occasion, a Christmas tree and gifts for all the patients in the house ; many of these were furnished by friends. The true value of these exercises cannot be rightly estimated by those who are unacquainted

with hospital life and unaccustomed to the care of the insane ; and it is often surprising to those who conduct the exercises to find how well they are comprehended and how generally they are appreciated. Mental disorder does not necessarily destroy one's ability to follow a line of argument or to enjoy a bit of humor. The sermon, the lecture, the reading and concert are often criticised and discussed and commented upon.

INEBRIATES.

The experience of this hospital in regard to the commitment of persons under the dipsomania act proves, in our opinion, that under the present working of the law very little good is accomplished. The great difficulty that stands in the way is, that the patients recover in a short time from the immediate effects of their intemperance, become restless, and desire to be discharged. The friends of the patients, either because they are unwilling to incur the displeasure of the patient, or for other reasons, request that they be discharged. The result is that they are removed before any permanent benefit is accomplished. The appetite for stimulants is not removed, and as a rule they fall again into their former habits, and the second state is worse than the first.

Six persons were committed during the year as inebriates. The first remained in the hospital three months, was discharged, and in a short time was recommitted. The second remained two months, and after discharge relapsed into his old habit. The third remained in the hospital one and a half months, was again committed and remained one month ; after his discharge he fell into the same course and soon died from the effects. The fourth remained one month, and a few weeks after his discharge was sentenced to the house of correction. The fifth and sixth have been in the hospital respectively three and four weeks. The latter is one of that class of cases in which the intemperance is not habitual. Under a peculiar combination and stress of circumstances they become temporarily addicted to the use of stimulants. They usually have an earnest desire and determination to reform, and the restraint of hospital life is often of great assistance to them.

FARM.

The season has been favorable for most of the crops upon the farm, the total products being larger than ever before. The amount of hay produced is more than ever, while that of apples and potatoes, with other vegetables, is amply sufficient for the needs of the hospital. Each succeeding year's experience confirms the opinion that the farm is a most valuable adjunct to the hospital. A large number of patients are admitted each year who are accustomed to out-door work and who are ready to assist in the farm labor. While no patient is compelled to work, the officers of the hospital feel that they are warranted in advising and even urging those who are in a suitable condition to engage in some employment. The following table gives the annual amount of hay produced since 1864 : —

1864, estimated, . . . 40 tons.	1877, weighed, . . . 154 tons.
1865, " . . . 62 "	1878, " . . . 179 "
1866, " . . . 42 "	1879, " . . . 144 "
1867, weighed, . . . 82 "	1880, " . . . 154 "
1868, " . . . 86 "	1881, " . . . 213 "
1869, " . . . 91 "	1882, " . . . 170 "
1870, " . . . 74 "	1883, " . . . 197 "
1871, " . . . 75 "	1884, " . . . 174 "
1872, " . . . 91 "	1885, " . . . 251 "
1873, " . . . 84 "	1886, " . . . 269 "
1874, " . . . 120 "	1887, " . . . 302 "
1875, " . . . 100 "	1888, " . . . 305 "
1876, " . . . 111 "	

The piggery still continues to be a source of considerable profit to the hospital. Forty-six hogs were slaughtered, the heaviest being 617 pounds. The total product for the year was 18,465 pounds. The table appended gives the amount for each year since 1865 : —

Pork Raised upon the Farm.

1865, . . . 6,265 pounds.	1872, . . . 11,366 pounds.
1866, . . . 5,443 "	1873, . . . 10,511 "
1867, . . . 7,416 "	1874, . . . 12,024 "
1868, . . . 7,791 "	1875, . . . 12,693 "
1869, . . . 8,469 "	1876, . . . 12,467 "
1870, . . . 7,447 "	1877, . . . 13,605 "
1871, . . . 7,863 "	1878, . . . 14,451 "

1879, . . . 13,569 pounds.	1884, . . . 10,192* pounds.
1880, . . . 14,729 "	1885, . . . 17,544 "
1881, . . . 15,610 "	1886, . . . 21,503 "
1882, . . . 14,414 "	1887, . . . 26,331 "
1883, . . . 15,612 "	1888, . . . 18,465 "

The number of gallons of milk produced during the year was 29,590; one-third of this number is given in the list of farm products; the other two-thirds are charged to the farm in the quantity of food consumed, cost of the animal, etc. The farm now contains about 395 acres. It has always been well managed.

Thorough tillage and fertilizing have largely increased its productiveness, while under-draining and reclaiming waste land has continually increased the amount of available meadow and pasturage. It has now become a source of considerable profit, aside from the benefit and convenience of having at hand a large supply of the best quality of milk, pork, vegetables and fruits.

List of Products in 1888.

Hay (first growth of home farm), 186½ tons,	\$2,793 75
Hay (south lot), 31¼ tons,	476 25
Hay (Clarke orchard), 14¼ tons,	213 75
Hay (aftergrowth of whole farm), 68¾ tons,	1,031 25
Hay (Hungarian grass), 4 tons,	60 00
Corn fodder, dry, 24 tons,	144 00
Corn, 360 bushels,	252 00
Potatoes, 2,732 bushels,	1,639 20
Broom seed, 40 bushels,	16 00
Broom brush, 1,000 pounds,	60 00
Carrots, 130 bushels,	52 00
Sugar beets, 876 bushels,	262 80
Beets, 175 bushels,	87 50
Onions, 510 bushels,	255 00
Turnips, 809 bushels,	202 25
Parsnips, 70 bushels,	35 00
Beans (Lima), in shell, 85 bushels,	85 00
Beans (common), in shell, 64½ bushels,	64 50
Beans (string), 9½ bushels,	19 00
Beans (Lima), dry, 5 bushels,	15 00
Pease (green), in pod, 109½ bushels,	219 00
Sweet corn (green), in ear, 310 bushels,	310 00
Tomatoes, 216 bushels,	216 00

* Quantity diminished by disease.

Lettuce, 81 bushels,	\$81 00
Cucumbers, 164 bushels,	164 00
Squash (summer), 106 bushels,	106 00
Squash (winter), 7,100 pounds,	142 00
Melons, 2,236 pounds,	22 36
Asparagus, 12 bushels,	36 00
Pie plant, 130 bushels,	130 00
Beet greens, 12 bushels,	12 00
Spinach, 14½ bushels,	14 50
Cabbage, 3,400 heads,	102 00
Currants, 11½ bushels,	23 00
Apples, 1,757 barrels,	2,196 25
Pears, 37½ bushels,	28 12
Quinces, 10 bushels,	20 00
Grapes, 210 pounds,	5 00
Veal (raised here), 1,038 pounds,	114 61
Pork, 18,338 pounds,	1,293 82
Pigs sold, 293,	868 50
Pigs, roasting, 6,	12 00
Ducks, 98 pounds,	19 60
Turkeys, 14 pounds,	2 80
Chickens, 1,008 pounds,	198 82
Heads and plucks, 19,	19 00
Eggs, 501 dozen,	110 27
Milk (grass fed), 9,863½ gallons,	2,367 20
Cider, 80 barrels,	160 00
Calf-skins, 10,	12 50
Young calves sold, 7,	25 00
Wood, 3½ cords,	104 25
Ensilage, 90 tons,	270 00
Rye straw, 4 tons,	48 00
Rye, 60 bushels,	42 00
<hr/>	
	\$17,259 85

HOW THE HOSPITAL IS SUPPORTED.

The following financial exposition is the same that was published in the annual report of 1886-87, with the exception of changes necessary for its adaptation to present circumstances.

Although a State institution, this hospital has received no gratuitous assistance from the State since the spring of 1867. Since that time it has relied for its income solely upon the products of its farm, the board bills of its patients, and the small sum of ten dollars each for the funeral expenses of State patients who die in the hospital, and

whose remains are not removed for burial. The receipts from the last-mentioned source during the year were \$50.

For the entire support of State patients, including clothing and all loss from breakage and other kinds of destruction, the hospital received \$3.50 each per week from the treasury of the Commonwealth, from April 1, 1870, to April 1, 1879. For one year after the latter date it received but \$3 each per week; and since April 1, 1880, it has received \$3.25 each per week. This is a compensation fixed by statute law. One hundred and fifteen, or more than one-fifth, of the inmates now belong to this class. During the past year the weekly average of them was 23.85 per cent. of the whole. For town patients it has received, and now receives, from the treasuries of the towns, respectively, in which these patients have legal settlements, the same sum per week (\$3.25 each) as from the State treasury for State patients.

Formerly the towns clothed their patients and remunerated the hospital for damages done by them, but have not done so since April 1, 1888. Two hundred and ninety-eight of the inmates are now in this class. The weekly average of them for the year was 62.52 per cent. of the whole. For private patients there is no uniform price. The average pay from all who were here Sept. 30, 1888, was \$5.143 each per week. Clothing and damages are extra charges. The weekly average of these patients during the past year was a fraction over 13 per cent. of the whole. The average weekly pay per capita, charged by the hospital for all its patients, State, town and private, in the course of the year, is \$3.517.

Such are the pecuniary resources of the institution. We turn to the results of the finance of the last twenty-three years.

In April, 1865, the hospital was freed from debt. The financial statement at the close of that month showed a balance of \$302.04 in its favor. Between that time and the 1st of June, 1867, it received a direct bonus from the State of \$5,000 in two appropriations, for specific purposes, — one of \$2,000 and the other of \$3,000.

As an offset to the \$5,000 bonus, the hospital has purchased and paid for several lots of land, amounting to nearly two hundred and four acres, together with four dwelling-houses. The total cost of this real estate was \$32,883.92. The State has, then, in this way alone, been overpaid for its bonus in the sum of \$27,883.92.

The amount paid by the hospital for repairs and improvements in the course of the last year is \$5,766.31; in the course of the twenty-three years from Sept. 30, 1865, to Sept. 30, 1888, is \$266,527.09.

The surplus of cash assets now on hand, including the reserve fund, is \$37,803.31, or \$37,501.27 larger than it was on the 30th of April, 1865.

The purchased provisions and supplies, including fuel and stored clothing now on hand, are estimated to have cost \$16,160.45. The estimated value of similar supplies on the 30th of April, 1865, was \$2,500. The increase of assets under this head is, therefore, \$13,660.45. The value of household furniture in the hospital is, at a low estimate, at least \$10,000 greater than it was on the 30th of April, 1865, at the same rate or standard of appraisal. To be certain, however, of no exaggeration, let it be called \$8,000.

Collecting these several sums, the account of debit of the Commonwealth to the hospital appears to be as follows:—

Excess of cost of land over direct bonus,	\$27,883 92
Repairs and improvements,	266,527 09
Excess of present cash assets,	37,501 27
Increase of provisions and supplies,	13,660 45
Increase of furniture,	8,000 00
Total,	<u>\$353,572 73</u>

The necessary current repairs of the building may be estimated at \$3,000 annually. Deducting this sum for each of the twenty-three years since Sept. 30, 1865, a total of \$69,000, there is a remainder of \$284,572.73. To this amount, then, has the hospital assisted itself to things, for most of which it is generally expected that such institutions will rely on direct appropriations from the treasury of the Commonwealth.

In the preparation of this summary we have taken into account only the actual disbursements of money by the hospital in contributing to its own improvements. But, aside from this, a large amount of work in effecting those improvements was performed by the teams of horses and cattle belonging to the institution, and by the regular corps of its employees.

Agreeably to all correct business principles, as well as to the custom at some similar institutions, the hospital should be accredited with the amount of the value of this labor; but no credit has ever been given for it. Many thousands of dollars might, in this direction, be justly added to the sum above mentioned, as the product of the efforts of the hospital in the promotion of its own material progress.

In connection with the above exposition, it may be interesting to know to what extent the tax-payers of the State have contributed to the institution. From a list furnished by the State treasurer of all the appropriations made either for the construction, the repairs, or the improvements of the hospital, I find that, from the time of the passage of the act authorizing its erection down to the present day, it has cost the people of the Commonwealth only three hundred and seventy-five thousand five hundred and fifty dollars (\$375,550).

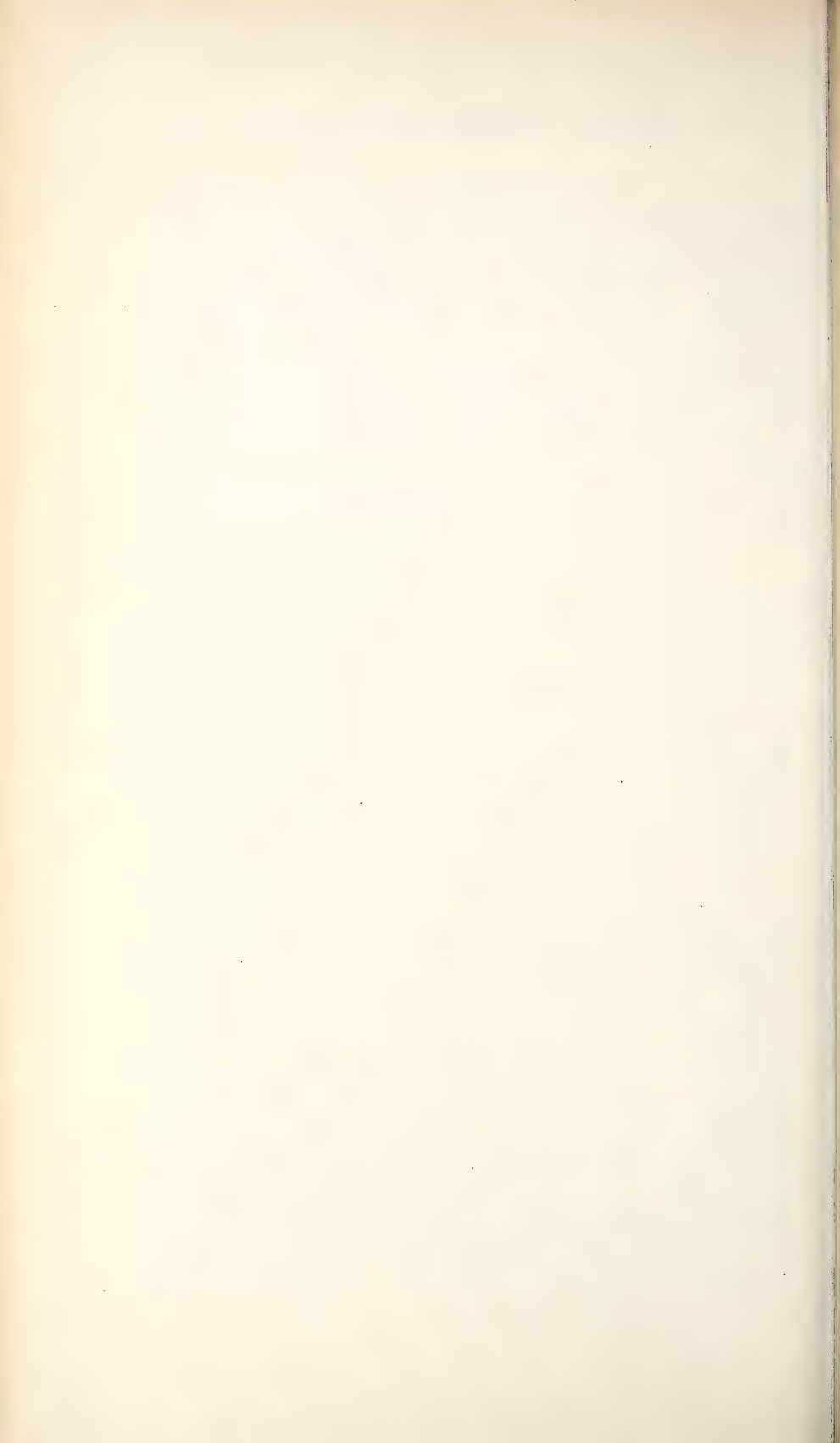
ACKNOWLEDGMENTS.

The hospital has been kindly remembered in the past year by many of its friends in contributions of reading matter and gifts. Thanks are due to Mr. S. E. Bridgeman for a quantity of papers and magazines; to Miss Florence S. Austin for a box of Christmas presents and a quantity of reading matter; to Mrs. S. M. Butler and Mrs. S. A. Woodworth for numerous gifts to patients; to the publishers of the "Staaten Zeitung" and "Christian Register" for one copy of those papers weekly; to Dr. T. W. Meekins for stereopticon exhibitions; to Misses Longley and Shattuck for concerts; and to many others who are unknown, for gifts and reading matter.

CONCLUSION.

The year has brought about the usual number of changes. Eleven attendants left the service, four of this number being discharged for transgression of rules, or misconduct. No change has occurred in the list of the subordinate officers. It is gratifying to be able to say that the success of the institution during the year is largely due to the hearty co-operation that has been given by all who were associated with me, and to the personal support and wise counsel of your Board.

EDWARD B. NIMS.



A P P E N D I X .



* 2. *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES (including Deaths).			DAILY AVERAGES OF PATIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
1887.									
October,	10	6	16	6	9	15	226.16	245.13	471.29
November,	5	6	11	6	5	11	228.7	243.5	472.2
December,	7	6	13	11	11	22	222.90	239.19	462.09
1888.									
January,	4	2	6	6	3	9	222.61	237.81	460.42
February,	7	12	19	4	5	9	221.72	241.93	463.65
March,	5	7	12	4	2	6	224.80	245.42	470.22
April,	9	6	15	9	7	16	224.6	248.9	473.5
May,	8	6	14	7	6	13	224.48	247.45	471.93
June,	10	8	18	8	8	16	227.8	246.	473.8
July,	5	2	7	8	6	14	227.90	247.77	475.67
August,	10	5	15	7	7	14	227.77	243.97	471.74
September,	7	13	20	3	6	9	231.2	245.3	476.5
Total of <i>cases</i> ,	87	79	166	79	75	154	—	—	—
Total of <i>persons</i> ,	82	76	158	75	75	150	—	—	—
Daily average for the year,	—	—	—	—	—	—	225.88	244.37	*†470.25

* For Table No. 1, see the beginning of the Superintendent's report.

† These totals are obtained by a division of the sums of daily residence for the year by 366, the number of days in the year.

3. *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	62	60	122	—	—	—
Second,	19	16	35	8	4	12
Third,	3	3	6	—	4	4
Fifth,	3	—	3	7	—	7
Total of <i>cases</i> ,	87	79	166	15	8	23
Total of <i>persons</i> ,	82	76	158	11	6	17

4. *Age of Persons Admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	1	—	1	—	—	—
Fifteen years and less,	1	2	3	1	1	2
From 15 to 20 years,	3	3	6	5	4	9
20 to 25 years,	5	8	13	3	9	12
25 to 30 years,	5	6	11	10	6	16
30 to 35 years,	12	9	21	12	7	19
35 to 40 years,	9	5	14	9	6	15
40 to 50 years,	3	6	9	8	10	18
50 to 60 years,	5	6	11	6	6	12
60 to 70 years,	2	4	6	5	8	13
70 to 80 years,	—	1	1	2	3	5
Over 80 years,	—	—	—	1	—	1
Unknown,	16	10	26	—	—	—
Total of <i>persons</i> ,	62	60	122	62	60	122

5. *Parentage of Persons Admitted.*

PLACES OF NATIVITY.	Males.		Females.		Totals.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine,	2	2	—	—	2	2
New Hampshire,	1	1	2	—	3	1
Vermont,	5	8	3	3	8	11
Massachusetts,	14	21	9	13	23	34
Rhode Island,	3	1	—	1	3	2
Connecticut,	6	3	1	2	7	5
New York,	5	3	5	6	10	9
Ohio,	1	1	—	—	1	1
Michigan,	1	—	—	—	1	—
Maryland,	—	—	—	1	—	1
Canada,	5	4	5	6	10	10
England,	2	1	3	1	5	2
Ireland,	19	19	33	32	52	51
Scotland,	2	1	1	1	3	2
Germany,	3	3	3	2	6	5
Sweden,	—	—	1	1	1	1
Poland,	1	1	—	—	1	1
Russia,	1	1	—	—	1	1
Unknown,	11	12	10	7	21	19
Total of <i>persons</i> ,	82	82	76	76	158	158

6. *Residence of Persons Admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	12	18	30
Hampden County,	35	37	72
Berkshire County,	24	16	40
Franklin County,	10	5	15
Suffolk County,	1	—	1
Total of <i>persons</i> ,	82	76	158
Cities and large towns,	33	33	66
Country districts,	49	43	92
Total of <i>persons</i> ,	82	76	158

7. *Civil Condition of Persons Admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,	36	28	64	20	20	40	6	12	18	—	—	—
Second,	11	4	15	5	6	11	—	3	3	—	—	—
Third,	—	2	2	1	—	1	—	1	1	—	—	—
Fifth,	1	—	1	2	—	2	—	—	—	—	—	—
Total of <i>per- sons</i> ,	48	34	82	28	26	54	6	16	22	—	—	—

8. *Occupations of Persons Admitted.*

MALES.		MALES.	
Blacksmith,	1	Stone mason,	1
Brass moulder,	2	Tailor,	1
Baggage master,	1	Upholsterer,	1
Box maker,	1	Wool sorter,	1
Book agent,	1	Weaver,	1
Bookkeeper,	1		—
Bookbinder,	1	Total of <i>persons</i> ,	82
Baker,	1		
Carpenter,	2	FEMALES.	
Cigar maker,	1	Blacksmith's wife,	1
Cigar packer,	1	Carpenter's wife,	3
Cook,	1	Conductor's wife,	1
Druggist,	1	Domestic,	17
Farmer,	9	Dressmaker,	1
Fishing and hunting,	1	Farmer's wife,	3
Journalist,	1	Housekeeper,	8
Laborer,	17	Laborer's wife,	5
Lawyer,	1	Mill overseer's wife,	1
Merchant,	2	Mill operative's wife,	1
Machinist,	1	Mill operative,	7
Mill operative,	2	Machinist's wife,	1
None,	14	None,	20
Paper maker,	4	Nurse,	1
Painter,	2	Policeman's wife,	1
Pattern maker,	1	Salesman's wife,	1
Saloon keeper,	1	Straw braider,	1
Silver plater,	1	Stone cutter's wife,	1
Shoemaker,	2	Teamster's wife,	1
Soap maker,	1	Teacher,	1
Sewing-machine agent,	1		—
Spinner,	1	Total of <i>persons</i> ,	76

9. *Reported Duration of Insanity before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO THIS HOSPITAL.			ALL OTHER AD- MISSIONS.*			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	1	—	1	—	—	—	—	—	—
Under 1 month,	11	12	23	4	2	6	16	14	30
From 1 to 3 months,	13	9	22	2	3	5	15	12	27
3 to 6 months,	3	7	10	2	1	3	5	8	13
6 to 12 months,	3	4	7	—	1	1	3	5	8
1 to 2 years,	7	1	8	1	—	1	8	1	9
2 to 5 years,	3	7	10	4	3	7	7	10	17
5 to 10 years,	3	4	7	3	2	5	6	6	12
10 to 20 years,	—	4	4	2	2	4	2	6	8
Over 20 years,	2	1	3	—	1	1	2	2	4
Unknown,	16	11	27	7	4	11	23	15	38
Total of <i>cases</i> ,	62	60	122	25	19	44	87	79	166
Total of <i>persons</i> ,	62	60	122	20	16	36	82	76	158
Average of known <i>cases</i> ,	$2\frac{8}{46}$	$3\frac{13}{49}$	$3\frac{1}{2}$	$4\frac{7}{9}$	$4\frac{13}{15}$	$5\frac{16}{33}$	$2\frac{25}{32}$	$3\frac{10}{16}$	$3\frac{23}{64}$

* In this division of the table the whole period of time, from the first attack to the last admission, is indicated.

10. *Form of Disease in the Cases Admitted.*

FORM OF DISEASE.	Males.	Females.	Totals.
Congenital,	1	—	1
Epilepsy,	3	—	3
General paralysis of the insane,	7	—	7
Mania,	1	1	2
acute,	10	26	36
chronic,	22	16	38
recurrent,	3	4	7
a potu,	5	—	5
senile,	3	2	5
Melancholia,	—	1	1
acute,	—	8	8
recurrent,	2	—	2
Dementia, primary,	10	11	21
secondary,	—	2	2
senile,	2	2	4
Delusional, primary,	5	2	7
Dipsomania,	5	—	5
Kleptomania,	1	—	1
Toxic,	—	1	1
Inebriate,	5	3	8
Not insane,	2	—	2
Total of <i>cases</i> ,	87	79	166
Total of <i>persons</i> ,	82	76	158

11. *Probable Causes of Insanity in Persons Admitted.*

CAUSES.	Males.	Females.	Totals.
<i>Physical.</i>			
Ill health,	4	13	17
Epilepsy,	2	2	4
Intemperance,	20	4	24
Overwork,	3	—	3
Overwork and ill health,	—	1	1
Change of life,	—	1	1
Opium eating,	1	6	7
Morphine taking,	—	1	1
Hereditary,	5	5	10
Masturbation,	9	—	9
Injury of head,	2	1	3
Old age,	3	3	6
Puerperal,	—	1	1
Nervous exhaustion,	—	1	1
Sunstroke,	2	—	2
Stimulants,	—	1	1
Excessive use of tobacco,	1	—	1
Overwork and trouble,	2	—	2
Syphilis,	2	—	2
Congenital,	1	—	1
<i>Mental.</i>			
Trouble,	4	—	4
Domestic trouble,	1	5	6
Loss of friends,	—	1	1
Mental shock,	—	1	1
Religious excitement,	2	3	5
Total of mental,	7	10	17
Total of physical,	57	40	97
Not insane,	2	—	2
Unknown,	16	26	42
Total of <i>persons</i> ,	82	76	158

12. Relation to Hospital of Persons Admitted.

HOSPITAL RELATION.	Males.	Females.	Totals.
Never before in any hospital,	59	56	115
Former inmates of this hospital,	16	11	27
Former inmates of other hospitals in this State,	3	4	7
Former inmates of hospitals in other States,	2	1	3
Former inmates of this hospital and of hospitals in other States,	—	—	—
Former inmates of other hospitals in this State, and of hospitals in other States, .	2	2	4
Former inmates of foreign hospitals, . . .	—	1	1
Former inmates of this hospital and of foreign hospitals,	—	1	1
Total of <i>persons</i> ,	82	76	158

13. Discharges, Classified by Admission and Result.

ADMISSION.	NOT INSANE.			RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	2	—	2	19	11	30	2	5	7	22	18	40	9	12	21	13	12	25	67	58	125
Second,	—	—	—	3	2	5	1	1	2	2	2	4	3	4	7	1	4	5	10	13	23
Third,	—	—	—	—	—	—	—	—	—	—	2	2	—	1	1	—	1	1	—	4	4
Fourth,	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Fifth,	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	1	—	1
Total of cases,	2	—	2	23	13	36	3	6	9	25	22	47	12	17	29	14	17	31	79	75	154
Total of persons,	2	—	2	22	13	35	3	6	9	23	22	45	11	17	28	14	17	31	75	75	150

14. *How Supported.*

SUPPORTED AS	PATIENTS ADMITTED.			WEEKLY AVERAGE OF THE YEAR.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, . . .	34	22	56	60.37	51.80	112.17
Town patients, . . .	41	46	87	132.88	161.13	294.01
Private patients, . . .	12	11	23	32.67	31.34	64.01
Total of cases, . . .	87	79	166	225.92	244.27	470.19

15. *Cases Discharged Recovered — Duration.*

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 month, . . .	8	6	14	3	—	3	—	—	—
From 1 to 3 months, . . .	3	3	6	12	2	14	5	—	5
3 to 6 months, . . .	2	—	2	6	7	13	5	—	5
6 to 12 months, . . .	1	1	2	2	1	3	3	6	9
1 to 2 years, . . .	1	—	1	—	—	—	—	2	2
2 to 5 years, . . .	2	—	2	—	3	3	3	2	5
5 to 10 years, . . .	3	2	5	—	—	—	4	2	6
10 to 20 years, . . .	—	—	—	—	—	—	—	—	—
Over 20 years, . . .	—	—	—	—	—	—	—	—	—
Unknown, . . .	3	1	4	—	—	—	3	1	4
Total of cases, . . .	23	13	36	23	13	36	23	13	36
Total of persons, . . .	22	13	35	22	13	35	22	13	35
Average of known cases (in months), . . .	16 $\frac{9}{10}$	12	15 $\frac{1}{16}$	3 $\frac{1}{10}$	12 $\frac{3}{13}$	6 $\frac{5}{36}$	22 $\frac{19}{20}$	22 $\frac{1}{12}$	22 $\frac{5}{8}$

16. Cases Resulting in Death. — Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	—	—	—	—	—	—	—	—	—
Under 1 month,	—	2	2	—	3	3	—	1	1
From 1 to 3 months,	—	1	1	1	2	3	—	1	1
3 to 6 months,	—	2	2	—	1	1	—	1	1
6 to 12 months,	2	2	4	—	—	—	—	1	1
1 to 2 years,	1	—	1	2	2	4	—	1	1
2 to 5 years,	2	5	7	4	6	10	1	1	2
5 to 10 years,	—	3	3	1	1	2	2	7	9
10 to 20 years,	1	—	1	3	2	5	1	2	3
Over 20 years,	3	—	3	3	—	3	6	—	6
Unknown,	5	2	7	—	—	—	4	2	6
Totals,	14	17	31	14	17	31	14	17	31
Average of known cases (in months),	116 $\frac{3}{9}$	26 $\frac{1}{15}$	60 $\frac{1}{2}$	118 $\frac{9}{14}$	38 $\frac{1}{17}$	74 $\frac{1}{15}$	166 $\frac{1}{14}$	56 $\frac{1}{4}$	127 $\frac{1}{5}$

17. Cases Discharged by Recovery or Death.

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Epilepsy,	—	—	—	3	1	4
Paralysis of the insane,	—	—	—	—	1	1
Mania,	—	—	—	4	2	6
acute,	5	9	14	—	2	2
chronic,	—	—	—	—	4	4
recurrent,	2	2	4	—	1	1
a potu,	2	—	2	—	—	—
Melancholia, acute,	—	—	—	1	3	4
recurrent,	2	—	2	—	—	—
Dementia,	—	—	—	5	—	5
primary,	—	1	1	—	1	1
secondary,	—	—	—	1	—	1
senile,	—	—	—	—	2	2
Toxic,	1	—	1	—	—	—
Dipsomania,	2	—	2	—	—	—
Inebriate,	9	1	10	—	—	—
Totals,	23	13	36	14	17	31

18. Causes of Death.

CAUSES.	Males.	Females.	Totals.
Nervous system, —			
Chronic brain disease,	2	1	3
Exhaustion of chronic mania,	1	3	4
Exhaustion of acute melancholia,	—	1	1
General paralysis of the insane,	1	1	2
Apoplexy,	1	3	4
Epilepsy,	1	1	2
Respiratory, —			
Phthisis,	3	4	7
General, —			
Bright's disease,	2	—	2
Diabetes,	—	1	1
Fracture of the skull,	1	—	1
Heart disease,	1	—	1
Heart failure,	—	1	1
Old age,	1	1	2
Totals,	14	17	31

19. Deaths, Classified by Results of Previous Admissions.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Second, . . .	-	1	1	-	1	1	-	1	1	1	-	1	1	3	4
Third, . . .	-	-	-	-	-	-	-	1	1	1	-	1	1	1	2
Totals, . . .	-	1	1	-	1	1	-	2	2	2	-	2	2	4	6

20. Recoveries, Classified by Results of Previous Admissions.*

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Second, . . .	2	2	4	-	-	-	1	-	1	-	-	-	3	2	5
Fourth, . . .	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Totals, . . .	3	2	5	-	-	-	1	-	1	-	-	-	4	2	6

* In all cases of more than one admission the classification is based upon the result of the admission next preceding the last in each case respectively.

21. *Deaths, Classified by Duration of Insanity and of Treatment.*

PERIOD.	DURATION OF INSANITY "FROM FIRST ATTACK."			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	—	—	—	—	—	—
Under 1 month,	—	1	1	—	3	3
From 1 to 3 months,	—	1	1	1	1	2
3 to 6 months,	—	1	1	—	2	2
6 to 12 months,	—	—	—	—	—	—
1 to 2 years,	—	2	2	2	1	3
2 to 5 years,	1	1	2	4	6	10
5 to 10 years,	1	3	4	1	1	2
10 to 20 years,	2	2	4	5	3	8
Over 20 years,	5	1	6	1	—	1
Unknown,	5	5	10	—	—	—
Totals,	14	17	31	14	17	31
Average of known cases (in months),	228 $\frac{2}{3}$	741 $\frac{1}{12}$	1401 $\frac{17}{21}$	121 $\frac{3}{14}$	70 $\frac{5}{17}$	93 $\frac{9}{31}$

22. *Ages of Those who Died.*

AGES.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteen years and less,	2	1	3	—	—	—
From 15 to 20 years,	—	—	—	—	—	—
20 to 25 years,	2	1	3	—	1	1
25 to 30 years,	1	1	2	1	—	1
30 to 35 years,	—	1	1	1	1	2
35 to 40 years,	1	1	2	—	2	2
40 to 50 years,	3	4	7	3	3	6
50 to 60 years,	1	—	1	4	2	6
60 to 70 years,	1	6	7	3	5	8
70 to 80 years,	1	1	2	—	2	2
Over 80 years,	—	—	—	1	1	2
Unknown,	2	1	3	1	—	1
Totals,	14	17	31	14	17	31

23. *Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of each Year's Admissions remaining Sept. 30, 1888.*

YEARS.	NEW CASES (FIRST ADMISSION).																		
	ADMITTED.			DISCHARGED AND DIED IN 1887-88.						DIED.									
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.				IMPROVED.			UNIMPROVED.					
				Males.	Females.	Totals.	Males.	Females.	Totals.		Males.	Females.	Totals.	Males.	Females.	Totals.			
1858, 2 months,	99	129	228																
1858-59, .	42	46	88																
1859-60, .	66	91	157																
1860-61, .	58	46	104																
1861-62, .	51	43	94																
1862-63, .	56	57	113																
1863-64, .	35	30	65																
1864-65, .	54	55	109																
1865-66, .	66	52	118																
1866-67, .	42	69	111																
1867-68, .	54	71	125																
1868-69, .	72	64	136																
1869-70, .	80	103	183																
1870-71, .	93	88	181																
1871-72, .	83	85	168																
1872-73, .	89	69	158																

[illegible]

25. *Operations of the Hospital, from the beginning, in each Year.*

	1838.	1838-39.	1839-60.	1860-61.	1861-62.	1862-63.	1863-64.	1864-65.	1865-66.	1866-67.	1867-68.	1868-69.	1869-70.	1870-71.	1871-72.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1877-78.	1878-79.	1879-80.	1880-81.	1881-82.	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.
ADMITTED.																															
Males, .	99	45	73	70	64	69	48	70	75	61	68	84	90	109	101	102	105	75	76	68	40	63	59	57	62	78	61	66	85	72	87
Females, .	129	48	94	52	48	68	45	64	61	77	84	85	112	102	98	79	88	78	77	71	36	43	58	66	62	69	75	70	98	76	79
Totals,	228	93	167	122	112	137	93	134	136	138	152	169	202	211	199	181	193	153	153	139	76	106	117	123	124	147	136	136	183	148	166
Recovered.																															
Males, .	-	18	-	-	19	-	30	17	15	22	19	31	23	16	25	19	25	16	19	15	7	13	16	7	13	11	9	17	10	16	23
Females, .	-	15	-	15	15	-	18	16	9	19	17	18	27	27	15	29	12	13	13	18	19	13	12	13	15	17	16	12	19	8	13
Totals,	-	33	33	35	34	28	48	33	24	41	36	49	50	43	40	48	37	29	32	33	26	26	28	20	28	28	25	29	29	24	36
Much Improved.																															
Males, .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	4	9	6	4	8	5	3
Females, .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	9	-	11	5	2	3	6
Totals,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	13	13	9	17	9	10	8	9
Improved.																															
Males, .	4	9	-	-	25	-	20	14	13	18	20	23	15	23	23	37	24	21	18	8	17	15	11	15	7	18	16	12	23	36	25
Females, .	-	9	-	15	15	-	18	13	7	15	28	28	43	41	27	22	19	24	31	13	27	13	12	15	14	15	19	17	36	31	22
Totals,	4	18	18	26	40	25	38	27	20	33	48	51	58	64	60	59	43	45	49	21	44	28	23	30	21	33	35	29	59	67	47
Unimproved.																															
Males, .	2	6	-	-	9	-	4	8	5	5	9	20	22	31	22	23	27	17	24	15	16	11	9	6	14	21	16	10	20	21	12
Females, .	2	4	-	-	4	-	5	7	3	4	8	43	34	30	27	29	18	21	23	17	13	3	10	10	13	14	20	16	23	16	17
Totals,	4	10	4	10	13	7	9	15	8	9	17	63	56	61	49	52	45	38	47	32	29	14	19	16	27	35	36	26	43	37	29

DISCHARGED.

DISCHARGED.		Not Insane.															
		Males, . Females,		Totals,		Males, . Females,		Totals,		Males, . Females,		Totals,		Males, . Females,		Totals,	
	Condition not reported, .	-	-	3	4	6	-	-	-	-	-	-	-	-	-	-	-
DIED.	Males, .	-	7	8	15	9	17	17	18	23	25	13	22	16	19	13	14
	Females,	-	12	19	15	9	7	30	24	13	24	18	12	11	12	8	11
	Totals,	-	19	27	30	18	26	47	41	31	47	43	25	33	28	37	21
Whole No. of cases in year,		228	313	400	437	444	469	476	468	488	543	565	590	604	616	619	614
No. of patients at end of year,		220	233	315	332	332	383	334	352	405	413	421	402	405	420	433	429

26. *Classed Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65, . . .	225.10	48.16	69.83	343.24
1865-66, . . .	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67, . . .	261.96	49.46	89.75	401.17
1867-68, . . .	262.65	47.92	103.06	413.63
1868-69, . . .	248.52	54.98	101.46	404.96
1869-70, . . .	236.19	65.04	107.23	408.46
1870-71, . . .	234.10	77.07	118.38	429.55
1871-72, . . .	226.96	89.57	112.27	428.80
1872-73, . . .	248.02	99.23	90.00	437.25
1873-74, . . .	284.48	102.88	82.06	469.42
1874-75, . . .	274.35	128.34	72.46	475.15
1875-76, . . .	259.19	146.02	68.94	474.15
1876-77, . . .	254.84	161.58	60.02	476.44
1877-78, . . .	211.90	175.71	54.75	442.36
1878-79, . . .	200.34	182.29	54.23	436.86
1879-80, . . .	197.03	198.01	55.46	450.50
1880-81, . . .	180.82	214.15	57.19	452.15
1881-82, . . .	166.84	238.25	56.52	461.61
1882-83, . . .	161.62	247.63	57.58	466.83
1883-84, . . .	155.10	251.23	56.06	462.39
1884-85, . . .	154.44	261.58	59.82	475.84
1885-86, . . .	140.23	270.52	63.61	474.36
1886-87, . . .	122.78	289.38	66.00	476.16
1887-88, . . .	112.17	294.01	64.01	470.19

27. *Monthly Consumption of Gas.*

MONTHS.	Cubic Feet.	Daily Average.
1887.		
October,	43,200	1,393.55
November,	51,250	1,708.33
December,	66,952	2,159.74
1888.		
January,	65,250	2,104.84
February,	51,200	1,765.51
March,	44,750	1,443.54
April,	33,350	1,111.66
May,	23,550	759.67
June,	17,700	590.00
July,	17,850	575.80
August,	24,180	780.00
September,	36,650	1,221.66
Totals,	475,882	15,614.30

	Sheets.	Pillow-cases.	Bed-spreads.	Blankets.	Bed-ticks.	Pillow-ticks.	Towels.	Curtains.	Wash-bowls.	Bwers.	Chambers.	Mirrors.	Hair Brushes.	Combs.	Carpet Strips.	Plates.	Cups.	Saucers.	Tumblers.	Mugs.	Bowls.	Pitchers.	Syrup Cups.	Knives.	Forks.	Lanterns.	Scissors.
<i>Men's Department.</i>																											
Upper 1st Hall, . . .	14	14	5	—	10	—	22	14	1	2	11	2	2	—	2	12	12	18	48	—	—	13	—	—	—	—	—
2d Hall, . . .	32	44	6	—	—	—	14	—	—	—	10	1	—	2	5	6	6	18	—	—	—	—	2	—	—	—	—
3d and 4th Halls, . .	16	24	—	11	4	—	6	—	—	—	41	—	2	2	2	2	6	18	—	—	4	—	—	—	—	—	—
Middle 1st Hall, . . .	30	30	2	—	—	—	16	—	—	—	2	2	—	1	1	12	24	24	3	—	—	—	—	—	—	—	—
2d Hall, . . .	12	30	2	—	—	—	—	—	—	—	18	—	1	5	1	—	—	30	—	—	—	—	—	—	—	—	—
3d and 4th Halls, . .	36	48	—	6	—	—	—	—	—	—	36	—	1	6	—	24	—	12	—	—	—	3	—	—	—	—	—
Lower 1st Hall, . . .	36	52	—	—	—	—	—	10	—	—	6	—	—	—	—	6	—	6	—	—	—	—	—	—	—	—	—
2d Hall, . . .	42	42	—	—	4	—	8	—	—	—	27	—	2	2	—	12	—	—	—	—	—	—	—	—	—	—	—
3d and 4th Halls, . .	28	24	—	6	—	—	—	—	—	—	18	—	—	—	—	—	3	—	—	—	2	—	—	—	—	—	—
<i>Women's Department.</i>																											
Upper 1st Hall, . . .	—	12	6	3	5	—	6	—	—	1	6	—	—	—	—	—	—	—	6	—	—	—	—	—	—	—	—
2d Hall, . . .	24	48	6	7	—	—	72	6	—	2	6	—	—	11	6	30	12	18	42	—	13	—	—	—	—	—	—
3d Hall, . . .	24	24	2	12	—	—	36	—	—	—	10	—	—	6	—	—	—	6	—	—	—	—	—	—	—	—	—
4th Hall, . . .	36	24	6	14	2	—	6	—	—	—	3	—	—	4	—	—	—	24	—	—	—	—	—	—	—	—	—
Middle 1st Hall, . . .	36	12	—	12	—	—	46	4	3	2	6	1	—	9	—	18	6	24	24	—	—	—	—	—	—	—	—
2d Hall, . . .	54	36	12	13	4	—	42	6	—	1	24	—	—	35	10	36	24	48	30	12	12	—	—	—	—	—	—
3d Hall, . . .	24	48	6	6	—	—	66	—	—	—	12	2	—	30	—	18	—	12	—	—	6	—	—	—	—	—	—
4th Hall, . . .	12	12	—	—	—	—	—	—	—	—	6	—	1	8	—	12	—	12	18	—	—	—	—	—	—	—	—
Lower 1st Hall, . . .	4	24	4	6	1	—	30	11	—	1	18	—	—	27	3	—	—	—	—	—	—	—	—	—	—	—	—
2d Hall, . . .	44	54	4	36	6	—	30	4	—	—	18	—	—	18	—	—	—	—	—	—	—	—	—	—	—	—	—
3d Hall, . . .	40	36	10	25	—	—	6	—	—	—	18	—	—	26	—	6	—	—	—	—	—	—	—	—	—	—	—
4th Hall, . . .	12	12	—	—	—	—	—	—	—	—	3	—	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—
Kitchen, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rear, . . .	30	33	5	4	2	—	43	6	3	—	—	—	—	1	9	230	30	30	54	—	—	—	—	—	—	—	—
Centre, . . .	3	10	2	—	—	—	22	—	—	—	—	4	—	—	—	60	—	—	—	—	—	—	—	—	—	—	—
Aggregates, . . .	588	697	76	163	42	27	479	65	8	11	283	15	13	201	38	566	135	276	273	108	135	39	6	15	62	8	2

28. *Supplies for the Several Departments for the Year 1887-88—Concluded.*

	Clothes-bags.	Spoons.	Glass Castors.	Table-spreads.	Napkins.	Tin Plates.	Tin Cups.	Iron Spoons.	Dish Towels.	Koliers.	Wash-basins.	Brooms.	Soap, pounds.	Whisks.	Dust-brushes.	Scrub-brushes.	Dust-pans.	Mops.	Pails.	Spittoons.	Blacking.	Shoe-brushes.	Spools Thread.	Papers Needles.	Papers Pins.	Knives
<i>Men's Department.</i>																										
Upper 1st Hall,	1	18	—	—	6	—	—	—	6	—	—	13	40	3	2	—	—	—	—	—	2	4	—	1	—	—
2d Hall,	—	—	—	—	—	—	—	—	—	6	—	18	44	1	2	—	—	—	—	1	—	—	—	—	—	—
3d and 4th Halls,	—	—	—	—	—	—	—	—	—	—	—	11	78	1	1	—	—	—	—	2	—	—	—	—	—	—
Middle 1st Hall,	—	—	—	—	—	—	—	—	—	—	—	11	46	2	1	—	—	—	—	2	—	—	—	—	—	—
2d Hall,	—	—	—	—	—	—	—	—	—	—	—	17	54	2	1	—	—	—	—	3	—	—	—	—	—	—
3d and 4th Halls,	—	18	—	—	—	—	—	—	12	48	—	23	84	—	1	—	—	—	2	3	—	—	—	—	—	—
Lower 1st Hall,	—	—	—	—	—	—	—	—	—	—	—	11	18	—	1	—	—	—	—	1	—	—	—	—	—	—
2d Hall,	—	12	—	—	—	—	—	—	—	—	—	29	90	1	1	—	—	—	—	1	—	—	—	—	—	—
3d and 4th Halls,	—	6	—	—	—	—	—	—	12	24	1	18	62	1	1	—	—	—	4	2	—	—	—	—	—	—
<i>Women's Department.</i>																										
Upper 1st Hall,	—	—	—	—	12	—	—	—	18	—	—	9	28	1	—	—	—	—	—	1	—	—	—	—	—	—
2d Hall,	2	24	—	2	—	—	—	—	—	—	—	21	62	2	—	—	—	—	2	2	—	—	—	—	—	—
3d Hall,	—	—	—	—	—	—	—	—	—	—	—	11	50	—	—	—	—	—	3	—	—	—	—	—	—	—
4th Hall,	—	12	—	—	—	—	—	12	—	—	—	—	—	—	—	—	—	—	5	—	—	—	—	—	—	—
Middle 1st Hall,	—	—	—	—	—	—	—	—	—	—	—	10	48	1	—	—	—	—	1	—	—	—	—	—	—	—
2d Hall,	—	12	—	—	—	—	—	—	18	—	—	4	66	—	1	—	—	—	3	—	—	—	—	—	—	—
3d Hall,	2	18	—	3	—	—	—	—	—	—	—	14	32	2	1	—	—	—	8	—	—	—	—	—	—	—
4th Hall,	1	12	—	—	—	—	—	—	—	—	—	20	98	2	3	—	—	2	11	6	—	—	—	—	—	—
Lower 1st Hall,	—	—	—	—	—	—	—	—	—	—	—	16	50	—	—	—	—	—	1	—	—	—	—	—	—	—
2d Hall,	—	12	—	—	—	—	—	—	—	—	—	30	92	—	—	—	—	—	1	—	—	—	—	—	—	—
3d Hall,	5	—	—	—	—	—	—	—	—	—	—	22	74	—	—	—	—	—	5	—	—	—	—	—	—	—
4th Hall,	—	—	—	—	—	—	—	—	—	—	—	4	92	—	—	—	—	—	1	—	—	—	—	—	—	—
Kitchen,	—	—	—	—	—	—	—	—	—	—	—	61	78	2	5	—	—	—	1	—	—	—	—	—	—	—
Rear,	—	—	—	—	—	—	—	—	—	—	—	94	160	2	2	—	—	—	1	—	—	—	—	—	—	—
Centre,	—	—	—	—	—	—	—	—	—	—	—	8	72	4	2	—	—	—	1	—	—	—	—	—	—	—
Aggregates,	19	144	—	21	18	72	90	120	176	148	7	516	1,554	26	24	20	12	66	57	6	61	6	170	36	132	—

29. *Day's Work by Patients.*

MONTHS.	FARM.	KITCHEN.			SEWING- ROOM.	LAUNDRY.		
	Men.	Men.	Women.	Totals.	Women.	Men.	Women.	Totals.
1887.								
October, .	776	155	184	339	189	47	341	388
November, .	689	150	177	327	203	48	300	348
December, .	618	155	193	348	251	48	367	415
1888.								
January, .	569	155	180	335	264	50	372	422
February, .	522	145	168	313	239	49	351	400
March, .	549	155	172	327	254	45	377	422
April, .	549	150	159	309	247	45	298	343
May, .	698	155	180	335	222	50	339	389
June, .	776	150	182	332	232	51	323	374
July, .	736	155	184	339	248	52	360	412
August, .	763	155	209	364	253	54	404	458
September, .	672	150	195	345	252	37	347	384
Totals, .	7,917	1,830	2,183	4,013	2,854	576	4,179	4,755

The patients whose work is recorded in this table were employed as many hours in the day as were the employees in each of the several departments, respectively. The total number of days' work is 19,539, to which may be added 454 days by men in the mattress room, making an aggregate of 19,993 days.

No record was kept of the time of work on the ornamental grounds, at the stable, in the bakery, the boiler-room and the carpenter's shop. A large amount of other work was done both in the halls and at irregular times out of them.

30. List of Articles made in the Sewing-Room.

Dresses,	247	Napkins hemmed,	24
Waists,	22	Curtains,	103
Chemises,	52	Sheets,	513
Drawers,	64	Pillow-cases,	120
Skirts,	102	Spreads,	70
Night-dresses,	17	Bed-ticks,	47
Burial robes,	6	Bolster-cases,	7
Hats trimmed,	23	Cushions,	45
Caps,	211	Clothes-bags,	18
Aprons,	159	Bureau-covers,	65
Collars,	254	Dish-towels,	159
Shirts,	73	Roller-towels,	245
Camisoles,	8	Carpets made,	3
Suspenders, pairs,	53	Carpet-strips hemmed,	29
Table-cloths,	16	Articles repaired,	21,248

31. Upholstery Done in the Year.

Hair mattresses made, new materials,	21
Hair mattresses overhauled, hair repicked,	107
Old underbeds filled with new husks,	105
Hair pillows overhauled, hair repicked,	87
Cushions made, new material,	45

32. *Annual Cost of Gas.*

YEAR.	Cost of Gas.	Average Number of Patients.	Cost per Patient.
1860-61,	\$2,030 39	314.26	\$6 46
1861-62,	2,085 29	313.80	6 64
1862-63,	2,109 02	355.63	5 93
1863-64,	2,069 79	357.63	5 78
1864-65,	1,653 05	342.40	4 82
1865-66,	1,107 98	376.35	2 94
1866-67,	1,056 16	401.03	2 63
1867-68,	1,022 51	413.41	2 47
1868-69,	903 92	405.10	2 23
1869-70,	915 30	408.83	2 23
1870-71,	1,043 99	421.90	2 47
1871-72,	980 94	428.72	2 28
1872-73,	1,006 61	437.23	2 30
1873-74,	1,066 74	469.54	2 27
1874-75,	1,012 63	475.35	2 13
1875-76,	1,089 82	474.21	2 29
1876-77,	1,033 59	476.16	2 17
1877-78,	1,066 02	442.43	2 41
1878-79,	1,033 05	436.73	2 37
1879-80,	945 00	450.51	2 10
1880-81,	949 65	451.79	2 10
1881-82,	919 13	461.66	2 00
1882-83,	992 10	466.76	2 10
1883-84,	1,031 55	463.05	2 23
1884-85,	912 49	475.94	1 92
1885-86,	882 90	474.4	1 86
1886-87,	854 97	478.54	1 79
1887-88,	901 74	470.25	1 91

33. *Trustees of the Northampton Lunatic Hospital.*

NAMES.	Residence.	When app'ted.	Service ended.	From what cause.
Charles E. Forbes,* .	Northampton, . .	1856	1857	Term expired.
Lucien C. Boynton,* .	Uxbridge, . . .	1856	1858	" "
Eliphalet Trask, . .	Springfield, . .	1856	1875	" "
John C. Russell,* . .	Great Barrington, .	1856	1859	Resigned.
Horace Lyman, . . .	Greenfield, . . .	1856	1857	Removed.
Charles Smith, . . .	Northampton, . .	1857	1860	Resigned.
Luther V. Bell,* . . .	Somerville, . . .	1857	1859	"
Zebina L. Raymond,* .	Greenfield, . . .	1858	1859	"
Franklin Ripley,* . .	Greenfield, . . .	1859	1860	Died in office.
Edward Dickinson,* .	Amherst,	1859	1864	Resigned.
Walter Laflin,* . . .	Pittsfield,	1859	1866	Term expired.
Silas M. Smith,* . . .	Northampton, . .	1860	1863	" "
Charles Allen,	Greenfield,	1860	1861	Resigned.
Alfred R. Field,* . . .	Greenfield,	1861	1864	"
Edward Hitchcock, . .	Amherst,	1863	1879	"
Silas M. Smith,* . . .	Northampton, . .	1864	1887	Died in office.
Edmund H. Sawyer,* .	Easthampton, . .	1864	1879	" "
Henry L. Sabin,* . . .	Williamstown, . .	1866	1876	Term expired.
Adams C. Deane, . . .	Greenfield,	1875	-	Still in office.
Henry W. Taft,	Pittsfield,	1876	-	" "
William M. Gaylord, . .	Northampton, . .	1879	1883	Term expired.
Lyman D. James, . . .	Williamsburg, . .	1879	-	Still in office
Christopher Merritt, . .	Springfield, . . .	1883	1888	Term expired.
Sarah A. Woodworth, . .	Chicopee,	1884	-	Still in office.
Sarah M. Butler,	Northampton, . .	1884	-	" "
John L. Otis,	Florence,	1887	-	" "
N. A. Leonard,	Springfield, . . .	1888	-	" "

* Deceased.

34. Officers and Employees.

Time employed, Oct. 1, 1888.

NAMES.	Years.	Months.	Days.
Edward B. Nims, M.D., Superintendent,	19	9	16
Edward B. Lane, M.D., 1st Assistant Physician,	—	7	1
David G. Hall, M.D., 2d Assistant Physician,	5	3	20
Emily F. Wells, M.D., 3d Assistant Physician,	3	9	—
Walter B. Welton, Clerk,	22	7	16
John Mercier, Farmer,	21	2	—
Danford Morse, Engineer,	23	6	9
Robert H. Gallivan, Supervisor,	15	5	13
Lucy A. Gilbert, Supervisor,	21	7	20
F. Josephus Rice, Steward,	29	11	26
Susan A. Miller, Seamstress,	1	2	17
Nettie Lyman, Laundress,	1	2	7
George B. Walker, Baker,	4	3	22
Gertrude C. Arnold, Assistant Clerk,	4	8	27
Lucie L. Barrett, Assistant Supervisor,	2	—	12
Minnie A. Smith, Assistant Seamstress,	—	8	27
Jennie B. Morse, Assistant Laundress,	1	9	27
Mary Meagher, Assistant Laundress,	2	4	21
Henry W. Esty, Attendant,	6	6	7
William J. Douglass, Attendant,	6	6	5
John L. Howard, Attendant,	6	3	25
James M. Shipperly, Attendant,	3	8	1
Thomas Lavelle, Attendant,	2	6	23
Anson T. Hale, Attendant,	1	5	—
Allen Coit, Attendant,	—	11	20
Martin S. Hardiman, Attendant,	—	10	1
Fred. A. Shumway, Attendant,	—	5	25
Michael Brown, Attendant,	—	5	—
James Swift, Attendant,	—	5	12
Frederick P. Crosby, Attendant,	—	2	25
William T. Shipperly, Attendant,	—	2	16
Maria E. Graves, Attendant,	20	8	9
Jane McGuire, Attendant,	13	5	5
Cecile Reil, Attendant,	11	11	25
Frances F. Poor, Attendant,	9	11	15
Flora R. Brown, Attendant,	5	9	25
Jeanette McLean, Attendant,	5	1	3
Nellie D. Parker, Attendant,	4	6	17
Philomene Goyette, Attendant,	5	6	13
Nellie E. Stearns, Attendant,	3	3	2
Effie Clapp, Attendant,	2	3	17
Elizabeth M. Pomeroy, Attendant,	2	2	5
Julia Webber, Attendant,	—	11	18
Alice A. Hawkes, Attendant,	—	9	27
Celeste Goyette, Attendant,	3	6	16
Harriet Strong, Attendant,	1	6	13
Adeline Morgan, Attendant,	—	—	12
Jessie A. Rand, Night Watch,	7	3	11
Lena Marble, Farmers' Dining Room,	3	2	7

34. *Officers and Employees* — Concluded.

NAMES.	Years.	Months.	Days.
Hattie Darling, Centre,	1	10	—
Sophia Vidimier, Centre,	—	8	28
Mary E. McClellan, Centre,	—	2	12
Ida D. Hyde, Centre,	3	4	6
Lillian M. Douglass, Cook,	6	11	22
Jeanette Loomis, Assistant Cook,	1	1	15
Bridget O'Sullivan, Assistant Cook,	—	2	5
Mary Mangen, Assistant Cook,	—	2	5
Mary A. Carnes, Rear,	5	3	—
William C. Hall, Assistant Engineer,	23	—	20
Nicholas Reil, Night Engineer,	12	9	25
Robert McNaughton, Watchman,	1	2	30
Sifroi Belville, Carpenter,	18	5	7
Walter Tower, Carpenter,	11	10	—
Alfred Parenteau, Painter,	23	1	18
David Mercier, Coachman,	11	7	14
Benjamin Rockwell, Assistant Farmer,	21	4	—
Henry Wilson, Assistant Farmer,	9	5	8
James Madden, Assistant Farmer,	13	—	29
Eugene Sullivan, Assistant Farmer,	13	5	—
George E. Hunter, Assistant Farmer,	2	5	19
William Ahearn, Assistant Farmer,	—	5	5
Loren Tower, Car Boy,	3	—	18
William Noble, Assistant Baker,	—	4	7

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THIRTY-FOURTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1889.

BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.

1890.

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Mass: Northampton State Hospital

BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1890.

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WILLIAM L. BOSTON
Officer of Court

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OFFICERS

OF THE

NORTHAMPTON LUNATIC HOSPITAL.

TRUSTEES.

MRS. SARAH A. WOODWORTH,	CHICOPEE.
MRS. SARAH M. BUTLER,	. . . . .	NORTHAMPTON.
ADAMS C. DEANE, M.D.,	. . . . .	GREENFIELD.
HENRY W. TAFT, Esq.,	. . . . .	PITTSFIELD.
LYMAN D. JAMES, Esq.,	. . . . .	WILLIAMSBURG.
NEHEMIAH A. LEONARD, Esq.,	. . . . .	SPRINGFIELD.
HON. JOHN L. OTIS,	. . . . .	NORTHAMPTON.

RESIDENT OFFICERS.

EDWARD B. NIMS, M.D.,	. . . . .	<i>Superintendent.</i>
JOHN A. HOUSTON, M.D.,	. . . . .	<i>Assistant Physician.</i>
CHARLES M. HOLMES, M.D.,	. . . . .	<i>Assistant Physician.</i>
EMILY F. WELLS, M.D.,	. . . . .	<i>Female Physician.</i>
WALTER B. WELTON,	. . . . .	<i>Clerk.</i>
JOHN MERCIER,	<i>Farmer.</i>
DANFORD MORSE,	<i>Engineer.</i>

TREASURER.

EDWARD B. NIMS,	NORTHAMPTON.
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Office at the Hospital.

SUBORDINATE OFFICERS.

ROBERT H. GALLIVAN,	<i>Male Supervisor.</i>
LUCY A. GILBERT,	. . . . .	<i>Female Supervisor.</i>
F. JOSEPHUS RICE,	. . . . .	<i>Steward.</i>
MINNIE A. SMITH,	. . . . .	<i>Seamstress.</i>
LIZZIE E. RICE,	. . . . .	<i>Laundress.</i>
GEORGE B. WALKER,	. . . . .	<i>Baker.</i>



Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The thirty-fourth report of the trustees of the Northampton Lunatic Hospital for the year 1888-89 gives the changes in population and the principal improvements for the year. The reports of the treasurer and superintendent are also submitted.

The number of patients in the hospital Sept. 30, 1888, was 481: men, 232; women, 249. The number admitted within the year was 155: men, 98; women, 57. Of these, 60 were supported by the State, 72 by towns, and 23 by individuals. The number under treatment in the year was 636: men, 330; women, 306. The number discharged was 190: men, 113; women, 77; including 25 deaths. The number remaining at the end of the year was 446: men, 217; women, 229. The average daily number was 469.1: men, 231.4; women, 237.7. Forty-two patients were discharged as recovered, including 5 inebriates; 12 as much improved, 65 as improved, 43 as unimproved, 3 as not insane. Twenty patients were transferred to the Worcester Insane Asylum; 19 were boarded out in families by the State Board of Lunacy and Charity. The decrease in the number of patients in the hospital is thus accounted for. Fifty patients remain in the hospital who were formerly transferred from hospitals in the eastern part of the State; at the beginning of the year the number of this class of patients was 80. Three patients were admitted within the year from the east-

ern part of the State. These facts prove conclusively that the admissions from the four western counties will hereafter keep the hospital filled to its capacity, and that soon additional accommodations must be furnished, or relief in some direction. The accumulation of chronic cases in the hospital, and the increase of population in Western Massachusetts, will make such a step necessary. The change of the status of patients is also noticeable. Of the 442 patients remaining in the hospital Sept. 30, 1879, 202 were supported by the State, 184 by cities and towns, and 56 by individuals. Of the 446 patients remaining Sept. 30, 1889, 91 were supported by the State, 294 by cities and towns, and 61 by individuals.

The improvements which have been made within the year are not extensive, yet have their various values. A section of the grounds in front of the south wing, which had been for years in a swampy condition, was drained. The iron fence which extends along the street front was carried to the eastern boundary of the premises on Mill River, this extension being about ninety-five feet in length. A section of the fence eight hundred feet in length was rebuilt, and an eighteen-inch brick drain constructed along the same section. Two hundred feet of the main drain which carries the sewage away from the hospital was rebuilt. The improvements of the lands in the western part of the farm have been continued, in the construction of drains and the removal of a large number of bowlders.

Inside the main building some changes have been made. The shafts which carry the elevators to the dining rooms, seven in number, have been lined with tin, as a protection against fire. The floors in several halls and many rooms have been relaid. The ceilings in some of the halls have been renewed. One hundred iron bedsteads were placed in the rooms, also two hundred and twenty-five woven wire mattresses, thirty large black-walnut settees, and a considerable amount of smaller furniture.

The area of the farm has been increased by the purchase of a pasture containing ninety-two acres of land, lying adjacent to the hospital grounds on the south-west side. This land formerly belonged to the Day Brothers' estate. The

acquisition of this land gives the hospital an excellent site for the erection of an annex, or cottages. The area of the farm is now four hundred and eighty-seven acres. It may seem to some that this enlargement of the premises of the institution was unnecessary; yet experience has shown that a liberal area of grounds about a hospital of this character has decided advantages. The hospital contains a community of persons larger in number than many townships. The buildings, with the surrounding grounds, become the temporary home of the patients; the place for work, for recreation, and exercise. They are practically restricted within these boundaries; they cannot go outside to any great extent without encroaching upon the premises and rights of others. The course which is being pursued by the hospitals for the insane which are in process of construction in New England and New York, shows their appreciation of this fact; some in procuring spacious grounds and premises, while others are taking steps to remove their institutions from the city to the country. The superintendent of one of the leading hospitals in the country, in writing upon this subject, says that every hospital for the insane should have at least an acre of land to each patient.

The hospital has received for the support of city, town and State patients, \$3.25 per week. The average cost per week per patient has been \$3.4715.

The treasurer's report, giving the receipts and disbursements of money for the year, is herewith appended. The accounts of the hospital have been audited and approved. The financial condition of the hospital is good, and gives evidence that the affairs have been wisely managed. The money received for the board of patients during the year is as follows: —

For State patients,	.	.	.	.	.	\$17,749 06
town patients,	.	.	.	.	.	51,223 58
private patients,	.	.	.	.	.	16,565 64
						<hr/>
Total,	.	.	.	.	.	\$85,538 28

In addition to the money surplus on hand, there is a liberal amount of purchased supplies, and products of the farm.

Dr. David G. Hall, after a service of six years as second assistant physician, resigned, and has entered upon private practice. Dr. Edward B. Lane resigned the office of first assistant physician, after serving a year and a half, to accept the position of resident physician at the Dorchester Asylum. Dr. Charles M. Holmes, a recent graduate of the Dartmouth Medical College, has been appointed second assistant physician. Dr. J. A. Houston, who has served as assistant physician for seven years in the Worcester Lunatic Hospital, was appointed first assistant physician, entering upon his duties September 23.

It is perhaps a noteworthy fact, that, of the officers and employees who were connected with the hospital at the end of the year, thirty-two held their positions when the present superintendent entered upon his office, four years since.

The meetings of the Board have been held monthly, at which a careful investigation of the condition and affairs of the hospital has been made, as well as at occasional visits by members of the Board.

SARAH A. WOODWORTH,
SARAH M. BUTLER,
A. C. DEANE,
HENRY W. TAFT,
LYMAN D. JAMES,
N. A. LEONARD,
JOHN L. OTIS,

Trustees.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1889.

Superintendent and physician,	per year, \$2,500 00
Assistant physician, first,	" 1,200 00
Assistant physician, second,	" 500 00
Female physician,	" 900 00
Treasurer,	" 300 00
Treasurer, for clerk hire and paid to clerk,	" 200 00
Clerk,	" 1,200 00
Farmer,	" 700 00
Engineer,	" 900 00
Assistant clerk,	per month, 20 00
Supervisor (male),	" 40 00
Supervisor (female),	" 30 00
Assistant supervisor (female),	" 20 00
Seamstress,	" 20 00
Assistant seamstress,	" 15 00
Laundress,	" 18 00
Assistant laundress,	" 18 00
Assistant laundress,	" 16 00
Baker,	" 40 00
Steward,	" 58 33
Assistant steward,	" 35 00
Attendants (male, 4),	" 30 00
Attendants (male, 3),	" 25 00
Attendants (male, 3),	" 23 00
Attendants (male, 3),	" 21 00
Attendant (female),	" 20 00
Attendants (female, 10),	" 18 00
Attendants (female, 2),	" 16 00
Attendant (female),	" 15 00
Attendant (female),	" 14 00
Night watch (female),	" 18 00
Housework, centre (female),	" 17 00
Housework, centre (female),	" 16 00
Housework, centre (female),	" 15 00

Cook (female),	per month,	\$16 00
Assistant cook (male),	"	16 00
Assistant baker (male),	"	25 00
Assistant cooks (female, 2),	"	15 00
Assistant cook (female),	"	14 00
Farmer's dining room (female),	"	14 00
Housework, rear building (female),	"	10 00
Watchman,	"	30 00
Carpenter,	per day,	2 25
Carpenter,	"	2 00
Painter,	per month,	50 00
Assistant engineer,	"	32 00
Night engineer, and gardener in summer,	"	30 00
Coachman,	"	28 00
Farm hand,	"	30 00
Farm hands (3),	"	28 00
Farm hand,	"	26 00
Farm hands (3),	"	25 00
Farm hand,	"	23 00
Farm hand,	"	20 00

In the warm season we generally hire some farm hands by the day. This year we had four at \$1.50 per day, without board.

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1889.

Live stock on hand,	\$6,093 00
Produce of farm on hand,	9,237 26
Carriages and agricultural implements,	3,022 00
Machinery and mechanical fixtures,	6,340 00
Beds and bedding in inmates' department,	12,988 00
Other furniture in inmates' department,	7,400 00
Personal property of State in superintendent's department,*	9,000 00
Ready-made clothing,	3,257 52
Dry goods,	3,442 48
Provisions and groceries,	5,379 00
Drugs and medicine,	600 00
Fuel,	6,289 47
Library,	1,000 00
Paints and oils,	450 00
Total,	<hr/> \$74,498 73

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing room and other apartments.

TREASURER'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

I hereby present my report, as treasurer of the hospital, for the fiscal year ending with the 30th of September, 1889. It contains, as usual, an appraisal of the property of the institution, an account of the receipts and the disbursements of money during the year, and the financial condition at its close.

ASSETS.

Four hundred and eighty-seven acres of land,	\$50,106 60
Hospital building,	250,000 00
Farm house, \$1,900; brick house, \$1,900, .	3,800 00
Three dwellings (H. Day lot),	1,500 00
Storehouse and shops,	15,000 00
Two barns,	5,250 00
Horse stable,	1,800 00
Scullery and wood house,	650 00
Lumber house,	1,000 00
Pump house,	900 00
Cart shed,	450 00
Coal house,	125 00
Piggery,	3,000 00
Cattle shed,	1,200 00
Fire proofs for oils and paints,	500 00
Two ice houses,	450 00
Total,	<hr/> \$335,731 60

PERSONAL ESTATE.

Stock and supplies on hand, as per inventory appended to the trustees' report,	\$74,498 73
------------------------------------------------------------------------------------------	-------------

RECEIPTS.

Cash on hand Sept. 30, 1888,		\$10,351 33
Received from the State treasurer,	\$18,931 58	
from towns,	50,494 63	
from individuals,	17,633 46	
from sales,	2,405 25	
from interest,	785 30	
from sale of bond,	12,737 50	
	<hr/>	102,987 72
		<hr/>
		\$118,339 05

PAYMENTS.

1. Salaries and labor,		\$29,449 45
2. Provisions and supplies:—		
Meats of all kinds,	\$5,981 35	
Fish of all kinds,	1,628 48	
Fruit and vegetables,	1,109 30	
Flour,	5,882 00	
Grain and meal for table,	792 42	
Tea, coffee and chocolate,	944 06	
Grain and meal for stock,	2,832 45	
Sugar and molasses,	2,450 16	
Butter and cheese,	4,152 40	
Salt and other groceries,	1,942 85	
All other provisions,	41 58	
	<hr/>	27,757 05
3. Clothing,		3,474 56
4. Fuel and lights,		7,289 48
5. Medicines and medical supplies,		837 72
6. Furniture, beds and bedding,		6,145 88
7. Transportation and travelling expenses,		512 79
8. Ordinary construction and repairs,		2,793 52
9. Extraordinary construction and repairs,		4,390 66
10. Miscellaneous expenses, including:—		
1. Real estate,	\$4,306 60	
2. Farm stock,	1,144 00	
3. Farm supplies,	3,599 83	
4. Water,	1,174 00	
5. Minor expenses,	768 23	
6. Contingencies,	826 32	
	<hr/>	11,818 98
Total expenditures,		<hr/>
		\$94,470 09

LIABILITIES.

Salaries and wages due Oct. 1, 1889,	\$3,557 54
Miscellaneous bills due,	1,655 78
	<hr/>
	\$5,213 32

16 NORTHAMPTON LUNATIC HOSPITAL. [Oct.

Due the institution for board Oct. 1, 1889 : —

From State,	\$3,984 52
towns,	14,701 71
individuals,	4,389 72
treasurer, Sept. 30, 1889,	18,868 96
	<hr/>
	\$41,944 91

SUMMARY.

Total receipts,	\$113,339 05
Total payments,	94,470 09

Cash on hand Sept. 30, 1889, \$18,868 96

Total liabilities,	\$5,213 32
Total debts due the institution,	41,944 91
Total expenditures,	94,470 09

Dividing this sum by 469.1, the average number of patients, we have the average expenditure per patient, . \$201 38 $\frac{58}{100}$
 And the average weekly expenditure per patient, . . 3 86 $\frac{24}{100}$

Deducting from the total expenditures,	\$94,470 09
The extraordinary expenses,	8,697 26

We have the current expenses, \$85,772 83

Dividing \$85,772.83 by 469.1, the average number of patients, we have the average expenditure per patient, . \$182 84 $\frac{1}{2}$
 Making the average weekly expenditure per patient, . . 3 50 $\frac{68}{100}$

Deducting the increase of personal assets,	\$863 53
From the current expenses,	85,772 83

We have the necessary cost for the year, \$84,909 30

Dividing \$84,909.30 by 469.1, the average number of patients, we have, as the annual cost of each patient, . \$181 00 $\frac{4}{100}$
 Making the average weekly cost of each patient, . . 3 47 $\frac{15}{100}$

EDWARD B. NIMS,
Treasurer.

We have examined, as auditors, the accounts of the treasurer, and found a satisfactory voucher for every entry.

JOHN L. OTIS,
 HENRY W. TAFT,
Auditors.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The thirty-fourth annual report for the year ending Sept. 30, 1889, is herewith respectfully submitted, giving in detail the operations of the hospital, and the results. The general statistics are given in the following table : —

1. General Statistics.

	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1888,	232	249	481
Admitted within the year,	98	57	155
Whole number of cases within the year,	330	306	636
Discharged within the year,	113	77	190
Viz.: as recovered,	27	15	42
much improved,	6	6	12
improved,	25	40	65
unimproved,	35	8	43
Deaths,	18	7	25
Not insane,	2	1	3
Patients remaining Sept. 30, 1889,	217	229	446
Viz.: supported as State patients,	45	46	91
town patients,	143	151	294
private patients,	31	30	61
Number of different persons within the year,	322	302	624
Persons admitted,	93	55	148
Persons recovered,	22	14	36
Daily average number of patients,	231.4	237.7	469.1

On the 1st of October, 1889, one woman and two men were transferred from State to town charge. Hence the new year will begin with —

State patients,	43	45	88
Town patients,	145	152	297

It will be seen from the foregoing table that the number of discharges (113 men and 77 women) is larger by 35 than the number of admissions (98 men and 57 women), making a decrease in the population of the hospital of 35. The number at the beginning of the year was 481 (232 men and 249 women), which, added to the number of admissions, makes the whole number under treatment 636 (336 men and 306 women). Of those discharged, 20 were transferred to the Worcester Insane Asylum; 19 were boarded out in families, by the Board of Lunacy and Charity; 15 were removed to almshouses; 19 were removed out of the State, they having no residence or settlement therein; and 92 went to their friends or homes.

The number of persons admitted within the year was 148: men, 93; women, 55. The number of persons under treatment was 624: men, 322; women, 302. Two men and two women were discharged and readmitted. Three men and two women were admitted, discharged and readmitted. One man was discharged, readmitted and discharged. Two men were admitted, discharged, readmitted and discharged. Of the 155 cases admitted, 114 were first admissions, 27 second admissions, 8 third admissions, 2 fourth admissions, 3 sixth admissions, and 1 the seventh admission.

The daily average, 469.1, is a little smaller than in the preceding year. The largest number in the house on any one day was 498; the smallest number was 440. The number of persons discharged was 187: men, 110; women, 77.

STATUS OF PATIENTS.

The change in the status of patients is going on gradually from year to year. The number of State patients at the beginning of the year was 104; town and city patients, 309; private patients, 68. Sixty State patients were admitted within the year; 72 town and city, and 23 private. Sixty of those supported by State were discharged, 98 by cities and towns, 32 private patients; leaving, at the end of the year, 91 State patients, 294 city and town, and 61 private. The change in status may be accounted for by the fact that most of the patients who were removed by transfer and who were boarded out in families, were supported by the State,

and that a very large proportion of the population in western Massachusetts have legal settlements.

The average weekly number in each class for two years past is shown in the accompanying table : —

	1887 - 88.			1888 - 89.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, .	60.37	51.80	112.17	56.56	48.11	104.67
Town patients, .	132.88	161.13	294.01	145.51	157.50	303.01
Private patients, .	32.67	31.34	64.01	29.38	31.93	61.31

RECOVERIES.

The number of recoveries, including 5 inebriates, was 42 ; of these, 10 had been discharged before as recovered, — a fact which proves how impossible it is for physicians in hospitals to estimate the tendency to relapse in patients, and to decide when such patients are completely recovered. The science of medicine is not an exact science. Like physicians in general practice, we can only judge of the probabilities in each case according to our knowledge. The conditions may be obscure or unknown. The causes which may afterward affect them cannot be taken into account.

The ratio of persons recovered to the number admitted is 24.33 per cent. The ratio of persons recovered to the number discharged is 19.25 per cent. The ratio of persons recovered to the number discharged, exclusive of deaths, is 22.22 per cent.

DISCHARGED ON PROBATION.

Twenty-four patients were discharged on probation, under the sixty-day law ; of these, but one returned within the limited time. Twenty of these returned home with friends, the remainder were boarded out in families. Nineteen patients have been removed from the hospital by the State Board of Lunacy and Charity, and placed in families ; of this number, one only has returned to the hospital by reason of ill health.

DEATHS.

Twenty-five persons have died within the year. This is the smallest percentage, reckoned on the whole number of cases, for sixteen years; or, reckoned on the daily average population, the lowest for ten years. Eighteen of the deaths were of men, and 7 of women. Four were occasioned by acute diseases, and 21 by diseases which were chronic in character. One died of exhaustion of acute mania, complicated with pyemia, the result of injury from a fall which occurred before admission. One died of peritonitis, following long-continued melancholia, accompanied by frequent attempts to commit violence upon himself. Six deaths resulted from paresis, 5 from phthisis, 3 from epilepsy. Two feeble men died of apoplexy, 3 from exhaustion of chronic mania, 2 from long-continued disease of the heart, and 1 of old age. The amount of illness from acute disorders has been small. No suicide has occurred in the hospital since October, 1884. The ratio of deaths, reckoned upon the daily average number of patients, was 5.32 per cent. The ratio of deaths to the whole number of cases was 3.93 per cent. Of the 25 persons who died, 7 were maintained by the State, 9 by cities and towns, and 9 by individuals.

The number of deaths, and their ratios since 1858, are given in the following table:—

Deaths and their Ratios from Sept. 30, 1858, to Oct. 1, 1888.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Aver- age No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Aver- age No. of Patients.
			Men.	Women.	Totals.		
1858-59, .	313	229.55	7	12	19	6.07	8.27
1859-60, .	398	255.96	9	18	27	6.78	10.54
1860-61, .	434	314.26	15	15	30	6.91	9.54
1861-62, .	442	313.80	9	10	19	4.29	6.05
1862-63, .	470	355.28	19	7	26	5.53	7.31
1863-64, .	475	357.63	17	30	47	9.89	13.14
1864-65, .	469	342.40	17	24	41	8.76	11.97

Deaths and their Ratios, etc. — Concluded.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Aver- age No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Aver- age No. of Patients.
			Men.	Women.	Totals.		
1865-66, .	488	376.35	18	13	31	6.35	8.23
1866-67, .	543	401.03	23	24	47	8.65	11.71
1867-68, .	565	413.41	25	17	43	7.61	10.40
1868-69, .	590	405.10	13	12	25	4.23	6.17
1869-70, .	604	408.83	22	11	33	5.46	8.07
1870-71, .	616	421.90	16	12	28	4.54	6.64
1871-72, .	619	428.72	19	18	37	5.97	8.63
1872-73, .	614	437.23	13	8	21	3.42	4.80
1873-74, .	626	469.54	14	11	25	3.99	5.32
1874-75, .	629	475.35	23	18	41	6.52	8.62
1875-76, .	629	474.21	18	19	37	5.88	7.80
1876-77, .	603	476.16	21	21	42	6.96	8.82
1877-78, .	551	442.43	14	9	23	4.17	5.19
1878-79, .	535	436.73	14	9	23	4.29	5.27
1879-80, .	559	450.51	17	12	29	5.19	6.44
1880-81, .	569	451.79	16	10	26	4.57	5.75
1881-82, .	587	461.66	24	14	38	6.47	8.23
1882-83, .	606	466.76	17	13	30	4.95	6.42
1883-84, .	605	463.05	12	13	25	4.13	5.39
1884-85, .	599	475.94	16	11	27	4.51	5.67
1885-86, .	659	474.40	14	12	26	3.94	5.48
1886-87, .	639	478.55	13	18	31	4.85	6.47
1887-88, .	635	470.25	14	17	31	4.88	6.59
1888-89, .	636	469.10	18	7	25	3.93	5.32

WORSHIP AND ENTERTAINMENT.

The assemblies of patients have been continued during the year, as given in the following table : —

Exercises in Chapel.

1. ON THE SABBATH : —

Divine worship,	52 days.
-----------------	-----------	----------

2. ON SECULAR EVENINGS : —

(a) *Readings and Recitations, opened and closed with music : —*

The Bible and selections of poetry,	. . . . .	41 days.
The Bible and selections of prose,	. . . . .	1 day.
The Bible and selections of poetry and prose,	. . . . .	9 days.
The Bible and selections of poetry, and recitations,	. . . . .	1 day.
Miscellaneous selections of prose,	. . . . .	96 days.
Miscellaneous selections of poetry,	. . . . .	5 days.
Miscellaneous selections of poetry and prose,	. . . . .	49 days.
Miscellaneous selections of poetry and prose, and recitations,	. . . . .	1 day.
Recitations,	. . . . .	1 day.
Lectures,	. . . . .	9 days.

(b) *Other Entertainments : —*

Pictures shown with the stereopticon,	. . . . .	8 days.
Concerts,	. . . . .	2 days.
Ventriloquism,	. . . . .	1 day.

(c) *Social Assemblies : —*

Quadrille parties,	19 days.
No assembly,	70 days.

Total,	365 days.
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At the religious services which have been held on Sabbath afternoons, without intermission, the average attendance was 285.59. The largest number present at any one service was 309, the smallest number was 264.

During five months in the summer and autumn the assemblies were omitted on Tuesday and Friday evenings, and on days when the hospital was visited by officials. The usual Thanksgiving and Christmas exercises were also observed. The attendance at the entertainments and other evening assemblies varies but little from that at the religious services. The services on the Sabbath are conducted by clergymen of

different denominations, generally from the city. The readings, recitations and lectures are conducted by some one of the officers of the hospital, as a rule.

Dr. T. H. Meekins of this city has officiated at the stereopticon exhibitions for several years past. The variety of these exercises makes them more acceptable to the various tastes of the people who attend.

FARM.

The year has been a successful one on the farm in most respects. The crops are excellent, with the exception of the apples, this being the non-bearing year; and the potato crop, the warm, wet weather in August having injured the vines, and checked the growth of the tubers. All of the other vegetables have been abundant in quantity and excellent in quality.

The amount of hay was larger than ever before. The farm is now so large that in the future it will probably produce all of the hay that will be required for use. The raising of ensilage, which now seems to have become an established custom, will be of assistance in case of a short crop. The use of ensilage here has been a success, and will probably be continued. The ease with which it is grown and harvested, the small amount of room necessary for storing it, its value as a fodder, are facts which are in its favor. The annual amount of hay harvested each year since 1864 is given in the following table:—

1864, estimated, . . .	40 tons.	1877, weighed, . . .	154 tons.
1865, " . . .	62 "	1878, " . . .	179 "
1866, " . . .	42 "	1879, " . . .	144 "
1867, weighed, . . .	82 "	1880, " . . .	154 "
1868, " . . .	86 "	1881, " . . .	213 "
1869, " . . .	91 "	1882, " . . .	170 "
1870, " . . .	74 "	1883, " . . .	197 "
1871, " . . .	75 "	1884, " . . .	174 "
1872, " . . .	91 "	1885, " . . .	251 "
1873, " . . .	84 "	1886, " . . .	269 "
1874, " . . .	120 "	1887, " . . .	302 "
1875, " . . .	100 "	1888, " . . .	305 "
1876, " . . .	111 "	1889, " . . .	331 "

The product of pork for the year was 19,227 pounds. Forty-eight hogs were slaughtered, the heaviest of which dressed 717 pounds. The following table gives the amount for each year since 1865 :—

Pork Raised upon the Farm.

1865, . . .	6,265 pounds.	1878, . . .	14,451 pounds.
1866, . . .	5,443 "	1879, . . .	13,569 "
1867, . . .	7,416 "	1880, . . .	14,729 "
1868, . . .	7,791 "	1881, . . .	15,610 "
1869, . . .	8,469 "	1882, . . .	14,414 "
1870, . . .	7,447 "	1883, . . .	15,612 "
1871, . . .	7,863 "	1884, . . .	10,192* "
1872, . . .	11,366 "	1885, . . .	17,544 "
1873, . . .	10,511 "	1886, . . .	21,503 "
1874, . . .	12,024 "	1887, . . .	26,331 "
1875, . . .	12,693 "	1888, . . .	18,465 "
1876, . . .	12,467 "	1889, . . .	19,227 "
1877, . . .	13,605 "		

The number of gallons of milk produced within the year was 27,765. One-third of this amount is given in the table of farm products; the other two-thirds are accounted for in the food given to the animals, and the cost of the animals.

The employment of patients on the farm has been continued, as usual. This custom has a double advantage: it is a benefit to the patients themselves, and contributes to the support of the hospital. As a class, they are happier, more contented and healthier, for the out-door exercise.

List of Farm Products in 1889.

Hay (first growth of home farm), 204 tons, . . .	\$3,060 00
Hay (south lot), 25½ tons, . . .	382 50
Hay (Clarke orchard), 16 tons, . . .	240 00
Hay (aftergrowth of whole farm), 77½ tons, . . .	1,162 50
Hay (second quality), 8¾ tons, . . .	86 00
Corn fodder, dry, 20 tons, . . .	120 00
Corn, 360 bushels, . . .	216 00
Straw, 6 tons, . . .	60 00
Oats, 150 bushels, . . .	51 00
Potatoes, 1,450 bushels, . . .	870 00
Broom seed, 50 bushels, . . .	20 00

* Quantity diminished by disease.

List of Farm Products in 1889 — Concluded.

Broom brush, 1,000 pounds,	\$60 00
Carrots, 183 bushels,	73 20
Sugar beets, 885 bushels,	265 50
Beets, 48 bushels,	36 00
Onions, 435 bushels,	217 25
Turnips, 900 bushels,	270 00
Parsnips, 65 bushels,	39 00
Beans (Lima), in shell, 128 bushels,	128 00
Beans (common), in shell, 28 bushels,	28 00
Beans (string), 27½ bushels,	55 00
Pease (green), in pod, 125½ bushels,	140 25
Sweet corn (green), in ear, 282½ bushels,	282 50
Tomatoes, 166½ bushels,	166 50
Lettuce, 131½ bushels,	131 50
Cucumbers, 111 bushels,	111 00
Squash (summer), 80½ bushels,	80 50
Squash (winter), 11,460 pounds,	171 90
Melons, 2,264 pounds,	22 64
Asparagus, 36 bushels,	108 00
Pie plant, 67 bushels,	67 00
Beet greens, 35½ bushels,	35 50
Spinach, 54 bushels,	54 00
Cabbage, 4,500 heads,	225 00
Currants, 32 bushels,	96 00
Apples, 284 barrels,	426 00
Pears, 30 bushels,	22 50
Quinces, 3½ bushels,	5 25
Grapes, 50 pounds,	2 00
Beef, 13,720 pounds,	1,006 48
Veal (raised here), 682 pounds,	73 90
Pork, 19,227 pounds,	1,330 17
Pigs sold, 388,	988 00
Pigs, roasting, 4,	8 00
Chickens, 660 pounds,	126 10
Heads and plucks, 19,	19 00
Eggs, 489 dozen,	125 17
Milk (grass fed), 9,255 gallons,	2,221 28
Cider, 24½ barrels,	61 25
Calf skins, 6,	7 50
Young calves sold, 12,	34 00
Wood, 43 cords,	129 00
Ensilage, 105 tons,	367 50
Celery, 672 heads,	19 10
Posts, 255,	63 75
Lumber, 9,728 feet,	126 46

 \$16,294 71

HOW THE HOSPITAL IS SUPPORTED.

The following financial exposition is the same that was published in the annual report of 1887-88, with the exception of changes necessary for its adaptation to present circumstances.

Although a State institution, this hospital has received no gratuitous assistance from the State since the spring of 1867. Since that time it has relied for its income solely upon the products of its farm, the board bills of its patients, and the small sum of \$10 each for the funeral expenses of State patients who die in the hospital, and whose remains are not removed for burial. The receipts from the last-mentioned source during the year were \$20.

For the entire support of State patients, including clothing and all loss from breakage and other kinds of destruction, the hospital received \$3.50 each per week from the treasury of the Commonwealth, from April 1, 1870, to April 1, 1879. For one year after the latter date it received but \$3.00 each per week; and since April 1, 1880, it has received \$3.25 each per week. This is a compensation fixed by statute law. Ninety-one, or more than one-fifth, of the inmates now belong to this class. During the past year the weekly average of them was 22.31 per cent. of the whole. For town patients it has received, and now receives, from the treasuries of the towns, respectively, in which these patients have legal settlements, the same sum per week (\$3.25 each) as from the State treasury for State patients.

Formerly the towns clothed their patients and remunerated the hospital for damages done by them, but have not done so since April 1, 1888. Two hundred and ninety-four of the inmates are now in this class. The weekly average of them for the year was 64.69 per cent. of the whole.

For private patients there is no uniform price. The average pay from all who were here Sept. 30, 1888, was \$4.99 each per week. Clothing and damages are extra charges. The weekly average of these patients during the past year was a fraction over 13.72 per cent. of the whole. The average weekly pay per capita, charged by the hospital

for all of its patients, State, town and private, in the course of the year, is \$3.488.

Such are the pecuniary resources of the institution. We turn to the results of the finances of the last twenty-three years. In April, 1865, the hospital was freed from debt. The financial statement at the close of that month showed a balance of \$302.04 in its favor. Between that time and the 1st of June, 1867, it received a direct bonus from the State of \$5,000 in two appropriations, for specific purposes, — one of \$2,000 and the other of \$3,000.

As an offset to the \$5,000 bonus, the hospital has purchased and paid for several lots of land, amounting to nearly 296 acres, together with four dwelling houses. The total cost of this real estate was \$37,190.52. The State has, then, in this way alone, been overpaid for its bonus in the sum of \$32,190.52.

The amount paid by the hospital for repairs and improvements in the course of the last year is \$7,184.18; in the course of the twenty-four years from Sept. 30, 1865, to Sept. 30, 1889, is \$273,711.27.

The surplus of cash assets now on hand, including the reserve fund, is \$36,731.59, or \$36,429 55 larger than it was on the 30th of April, 1865.

The purchased provisions and supplies, including fuel and stored clothing now on hand, are estimated to have cost \$18,368.47. The estimated value of similar supplies on the 30th of April, 1865, was \$2,500. The increase of assets under this head is, therefore, \$15,868.47. The value of household furniture in the hospital is, at a low estimate, at least \$10,000 greater than it was on the 30th of April, 1865, at the same rate or standard of appraisal. To be certain, however, of no exaggeration, let it be called \$8,000. Collecting these several sums, the account of debit of the Commonwealth to the hospital appears to be as follows: —

Excess of cost of land over direct bonus,	\$32,190 52
Repairs and improvements,	273,711 27
Excess of present cash assets,	36,429 55
Increase of provisions and supplies,	15,868 47
Increase of furniture,	8,000 00
Total,	<u>\$366,199 81</u>

The necessary current repairs of the building may be estimated at \$3,000 annually. Deducting this sum for each of the twenty-four years since Sept. 30, 1865, a total of \$72,000, there is a remainder of \$294,199.81. To this amount, then, has the hospital assisted itself to things, for most of which it is generally expected that such institutions will rely on direct appropriations from the treasury of the Commonwealth.

In the preparation of this summary we have taken into account only the actual disbursements of money by the hospital in contributing to its own improvements. But, aside from this, a large amount of work in effecting those improvements was performed by the teams of horses and cattle belonging to the institution, and by the regular corps of its employees. Agreeably to all correct business principles, as well as to the custom at some similar institutions, the hospital should be accredited with the amount of the value of this labor; but no credit has ever been given for it. Many thousands of dollars might, in this direction, be justly added to the sum above mentioned, as the product of the efforts of the hospital in the promotion of its own material progress.

In connection with the above exposition, it may be interesting to know to what extent the tax payers of the State have contributed to the institution. From a list furnished by the State treasurer, of all the appropriations made either for the construction, the repairs, or the improvements of the hospital, I find that, from the time of the passage of the act authorizing its erection down to the present day, it has cost the people of the Commonwealth only \$375,550.

THE CHRONIC INSANE.

On Sept. 30, 1889, there were in the five State lunatic hospitals 3,133 patients; and, as nearly as could be ascertained, over ninety per cent. of these had been insane more than a year. The duration varied from one to upwards of fifty years. When we remember that the per cent. of recoveries among patients who have been insane more than a year is very small, it is easy to understand what the prospect for the future is, among this ninety per cent. It is also evident that the State hospitals have already largely become recep-

tacles for chronic cases; and, as the small per cent. of recovered and improved cases are removed, it is certain that the number and proportion of chronic cases will increase. The question then arises, whether the present hospitals shall be devoted to the care of the chronic insane, and new hospitals erected for the curable cases, or whether further provision shall be made for the incurable insane. The present hospitals, especially those which have been more recently erected, have been built at great expense. They are very complete in their appointments, and are well adapted to the care of any class of the insane. The problem for the future seems to be, whether the chronic insane can be provided for in buildings erected at a more moderate expense, and whether they can be supported properly at a lower rate than in the hospitals proper. Most of the present hospitals are already large, and any decided expansion would impair their efficiency. The methods in hospitals for curables and incurables must be necessarily somewhat different; and the bringing together of these different methods in the same institution would be difficult, and each would have an effect upon the other. The inference is, then, that a separate institution for the chronic insane would in most respects be preferable.

ACKNOWLEDGMENTS.

Various contributions of papers, magazines and gifts have been made to the hospital in the past year, by Mr. S. E. Bridgman of reading matter, Miss Florence Austin of several packages of papers. Mrs. S. A. Woodworth and Mrs. S. M. Butler have kindly remembered various patients with gifts. The publishers of the "Staaten Zeitung" have sent two copies of their paper, and the "Christian Register" one of theirs, during the year. Misses Herrick, Kidder, and the Messrs. Kidder, have given several concerts. Dr. T. W. Meekins, with the stereopticon, gave several exhibitions, as he has done for many years. To these and many others acknowledgments are due for favors received. The hospital furnishes a large amount of reading matter to its patients, such as newspapers, pictorial papers, magazines, etc. It also has a library of about fifteen hundred volumes, to which patients have free access. It may be proper to say

that any contributions of reading matter are gratefully received, and appreciated by numerous readers in the hospital.

CONCLUSION.

The changes among the subordinate officers are few. Mrs. Susan Miller, who was in charge of the sewing room, resigned; her place was taken by Minnie A. Smith. Lizzie E. Rice is laundress, in place of Nettie Lyman, who resigned. Thirty-two of the attendants and regular employees have remained in the hospital during the year, also nine of the officers.

Thus ends the year, with its cares, duties and work. Mistakes have been made, and the desired results have not always been attained; yet it is hoped that some good has been accomplished. To those who have labored with me to promote the interests and the welfare of the institution, I express my sincere thanks.

EDWARD B. NIMS.

APPENDIX.



* 2. *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES (including Deaths).			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
1888.									
October, . . .	10	6	16	10	7	17	229.93	249.71	479.64
November, . . .	5	4	9	8	5	13	229.86	246.40	476.26
December, . . .	20	8	28	2	11	13	238.84	245.48	484.32
1889.									
January, . . .	9	6	15	7	5	12	247.16	245.00	492.16
February, . . .	4	5	9	7	3	10	247.32	245.21	492.53
March, . . .	7	4	11	12	5	17	245.00	247.65	492.65
April, . . .	6	2	8	12	9	21	236.40	241.10	477.50
May, . . .	12	3	15	27	14	41	225.42	230.39	455.81
June, . . .	7	3	10	5	8	13	219.33	226.20	445.53
July, . . .	5	5	10	6	6	12	222.29	223.45	445.74
August, . . .	9	6	15	12	1	13	219.13	224.19	443.32
September, . . .	4	5	9	5	3	8	216.87	228.13	445.00
Total of cases, . . .	98	57	155	113	77	190	—	—	—
Total of persons, . . .	93	55	148	110	77	187	—	—	—
Daily average for the year, . . .	—	—	—	—	—	—	231.40	237.70	†469.10

* For Table No. 1, see the beginning of the superintendent's report.

† These totals are obtained by a division of the sums of daily residence for the year by 365, the number of days in the year.

3. *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	78	35	113	—	—	—
Second,	12	15	27	3	6	9
Third,	7	2	9	5	2	7
Fourth,	—	2	2	—	5	5
Fifth,	—	—	—	—	—	—
Sixth,	1	2	3	2	6	8
Seventh,	—	1	1	—	1	1
Total of cases,	98	57	155	10	20	30
Total of persons,	93	55	148	7	12	19

4. *Ages of Persons Admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	—	—	—	—	—	—
Fifteen years and less,	2	—	2	1	—	1
From 15 to 20 years,	3	2	5	2	1	3
20 to 25 years,	10	3	13	11	5	16
25 to 30 years,	9	8	17	9	7	16
30 to 35 years,	5	5	10	10	4	14
35 to 40 years,	9	2	11	14	4	18
40 to 50 years,	11	5	16	16	8	24
50 to 60 years,	4	1	5	4	2	6
60 to 70 years,	5	3	8	6	3	9
70 to 80 years,	3	1	4	4	1	5
Over 80 years,	—	—	—	1	—	1
Not insane,	2	1	3	—	—	—
Unknown,	15	4	19	—	—	—
Total of persons,	78	35	113	78	35	113

5. *Parentage of Persons Admitted.*

PLACES OF NATIVITY.	MALES.		FEMALES.		TOTALS.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine,	—	1	—	—	—	1
New Hampshire,	1	2	—	—	1	2
Vermont,	5	6	2	1	7	7
Massachusetts,	25	21	15	12	40	33
Connecticut,	5	8	1	1	6	9
New York,	1	—	1	3	2	3
Pennsylvania,	—	—	1	1	1	1
New Jersey,	1	1	—	—	1	1
Illinois,	—	1	—	—	—	1
Kentucky,	—	1	—	—	—	1
Virginia,	1	1	—	—	1	1
Maryland,	—	—	—	1	—	1
Canada,	8	8	2	1	10	9
New Brunswick,	—	—	1	1	1	1
England,	6	5	3	2	9	7
Ireland,	23	22	25	28	48	50
Scotland,	1	2	—	—	1	2
Germany,	8	7	2	2	10	9
Norway,	1	1	—	—	1	1
Greece,	1	1	—	—	1	1
Italy,	2	1	—	—	2	1
France,	—	1	—	—	—	1
Bohemia,	—	—	1	1	1	1
Unknown,	4	3	1	1	5	4
Total of persons,	93	93	55	55	148	148

6. *Residence of Persons Admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	13	8	21
Hampden County,	43	31	74
Berkshire County,	24	10	34
Franklin County,	11	5	16
Suffolk County,	1	—	1
Worcester County,	—	1	1
Norfolk County,	1	—	1
Total of persons,	93	55	148
Cities and large towns,	57	36	93
Country districts,	36	19	55
Total of persons,	93	55	148

7. *Civil Condition of Persons Admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . . .	35	17	52	37	11	48	5	5	10	1	2	3
Second, . . .	6	4	10	—	7	7	1	2	3	1	1	2
Third, . . .	5	—	5	1	2	3	—	—	—	—	—	—
Fourth, . . .	—	1	1	—	1	1	—	—	—	—	—	—
Fifth, . . .	—	—	—	—	—	—	—	—	—	—	—	—
Sixth, . . .	1	1	2	—	—	—	—	1	1	—	—	—
Seventh, . . .	—	—	—	—	—	—	—	—	—	—	—	—
Total of persons, . . .	47	23	70	38	21	59	6	8	14	2	3	5

8. *Occupations of Persons Admitted.*

MALES.			
Hotel clerk,	1	Teamster,	1
Canvasser,	1	Modeller,	1
Laborers,	24	Publisher,	1
Carpenters,	4	None,	5
Shoemakers,	3		—
Mill operatives,	6	Total of persons, . .	93
Horse trainer,	1		
Saloon keepers,	2	FEMALES.	
Truckman,	1	Paper maker's wife,	1
Veterinary surgeon,	1	Mill operative's wife,	2
Physicians,	2	Farmer's wife,	1
Merchant,	1	Manufacturer's wife,	2
Farmers,	13	Laborer's wife,	2
Pattern maker,	1	Insurance agent's wife,	1
Machinist,	1	Mason's wife,	1
Whip makers,	2	Railroad employee's wife,	1
Sewing-machine agent,	1	Policeman's wife,	1
Engineer,	1	Painter's wife,	2
Student,	1	Carpenter's wife,	3
Stone cutters,	2	Tailor's wife,	1
Druggist,	1	Cigar maker's wife,	1
Dyer,	1	Domestic,	13
Book-keeper,	1	Farmer's daughter,	1
Railroad employee,	1	Cotton weaver,	1
Butcher,	1	Mill operatives,	5
Watchmen,	2	Waiter,	1
Clerks,	4	Housekeepers,	6
Paper maker,	1	Musician,	1
Brass maker,	1	None,	7
Mason,	1	Unknown,	1
Foundry man,	1		—
Mechanic,	1	Total of persons,	55

9. *Reported Duration of Insanity before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO THIS HOSPITAL.			ALL OTHER AD- MISSIONS.*			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	—	—	—	—	—	—	—	—	—
Under 1 month,	16	12	28	2	3	5	18	15	33
From 1 to 3 months,	7	4	11	1	—	1	8	4	12
3 to 6 months,	12	3	15	—	—	—	12	3	15
6 to 12 months,	3	1	4	—	2	2	3	3	6
1 to 2 years,	7	2	9	—	2	2	7	4	11
2 to 5 years,	10	4	14	1	1	2	11	5	16
5 to 10 years,	2	3	5	3	7	10	5	10	15
10 to 20 years,	1	1	2	4	4	8	5	5	10
Over 20 years,	2	1	3	2	—	2	4	1	5
Not insane,	2	2	4	—	—	—	2	2	4
Unknown,	16	2	18	7	3	10	23	5	28
Total of cases,	78	35	113	20	22	42	98	57	155
Total of persons,	78	35	113	15	20	35	93	55	148
Average of known cases (in years),	11 $\frac{1}{3}$ ₀	22 $\frac{2}{3}$ ₁	18 $\frac{2}{3}$ ₁	10 $\frac{5}{13}$	51 $\frac{8}{19}$	72 $\frac{2}{3}$ ₂	32 $\frac{2}{3}$ ₃	32 $\frac{2}{3}$ ₅	32 $\frac{1}{6}$ ₁

* In this division of the table, the whole period of time, from the first attack to the last admission, is indicated.

10. *Form of Disease in the Cases Admitted.*

FORM OF DISEASE.	Males.	Females.	Totals.
Epilepsy,	3	2	5
General paralysis of the insane,	6	—	6
Mania, acute,	18	8	26
chronic,	13	11	24
recurrent,	1	3	4
<i>a potu</i> ,	2	—	2
puerperal,	—	1	1
alcoholic,	2	1	3
Melancholia, acute,	11	10	21
chronic,	1	2	3
Dementia, primary,	2	3	5
secondary,	16	8	24
senile,	4	1	5
Delusional, primary,	4	5	9
Dipsomania,	5	—	5
Inebriate,	5	—	5
Imbecility,	3	—	3
Not insane,	2	2	4
Total of cases,	98	57	155
Total of persons,	93	55	148

11. *Probable Causes of Insanity in Persons Admitted.*

CAUSES.	Males.	Females.	Totals.
<i>Physical.</i>			
Ill health,	6	7	13
Epilepsy,	4	2	6
Paralysis,	1	—	1
Paresis,	2	—	2
Meningitis,	1	—	1
Dropsy,	1	—	1
Softening of the brain,	1	—	1
Syphilis,	1	—	1
Puerperal,	—	4	4
Change of life,	—	5	5
Heredity,	6	2	8
Heredity and ill health,	—	1	1
Intemperance,	24	3	27
Intemperance and injury to head,	1	—	1
Dissipation,	—	1	1
Excessive use of tobacco,	1	—	1
Masturbation,	8	—	8
Injury to head,	3	—	3
Sunstroke,	1	—	1
Old age,	1	—	1
Overwork,	4	2	6
Overwork and study,	1	—	1
Overwork and worry,	—	1	1
<i>Mental.</i>			
Trouble,	1	4	5
Domestic trouble,	2	1	3
Financial trouble,	1	1	2
Trouble and sickness,	—	1	1
Anxiety,	—	1	1
Disappointment,	1	—	1
Loss of friends,	—	1	1
Religious excitement,	1	2	3
Fright,	1	—	1
Total of mental,	7	11	18
Total of physical,	67	28	95
Not insane,	2	2	4
Unknown,	17	14	31
Total of persons,	93	55	148

12. Relations to Hospitals of Persons Admitted.

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital,	74	32	106
Former inmates of this hospital, . . .	14	17	31
Former inmates of other hospitals in this State, '	—	1	1
Former inmates of this hospital and other hospitals in this State,	1	2	3
Former inmates of hospitals in other States,	2	2	4
Former inmates of this hospital and of hospitals in other States,	1	1	2
Former inmates of other hospitals in this State, and of hospitals in other States,	1	—	1
Total of persons,	93	55	148

13. Discharges Classified by Admission and Result.

ADMISSION.	NOT INSANE.			RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . .	2	1	3	22	8	30	5	4	9	23	31	54	26	7	33	17	5	22	95	56	151
Second, . . .	-	-	-	3	5	8	-	-	-	2	7	9	7	1	8	1	2	3	13	15	28
Third, . . .	-	-	-	2	2	4	-	1	1	-	-	-	2	-	2	-	-	-	4	3	7
Fourth, . . .	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-	-	2	2
Fifth, . . .	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Sixth, . . .	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1
Total of cases, . . .	2	1	3	27	15	42	6	6	12	25	40	65	35	8	43	18	7	25	113	77	190
Total of persons, . . .	2	1	3	26	15	41	6	6	12	24	40	64	34	8	42	18	7	25	110	77	187

14. *How Supported.*

	PATIENTS ADMITTED.			WEEKLY AVERAGE OF THE YEAR.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, . . .	38	22	60	56.56	48.11	104.67
Town patients, . . .	44	28	72	145.51	157.50	303.01
Private patients, . .	16	7	23	29.38	31.93	61.31
Total of cases, . . .	98	57	155	231.45	237.54	468.99*

* This weekly average is .11 less than the daily average 469.10.

15. *Cases Discharged Recovered.—Duration.*

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 month, . . .	4	4	8	6	2	8	1	—	1
From 1 to 3 months, .	6	3	9	11	3	14	1	2	3
3 to 6 months, . . .	2	1	3	6	4	10	6	1	7
6 to 12 months, . .	1	3	4	4	6	10	4	6	10
1 to 2 years,	2	—	2	—	—	—	3	2	5
2 to 5 years,	—	—	—	—	—	—	2	—	2
5 to 10 years, . . .	4	3	7	—	—	—	1	3	4
10 to 20 years, . . .	—	—	—	—	—	—	—	—	—
Over 20 years, . . .	—	—	—	—	—	—	1	—	1
Unknown,	8	1	9	—	—	—	8	1	9
Total of cases, . . .	27	15	42	27	15	42	27	15	42
Total of persons, . .	26	15	41	26	15	41	26	15	41
Average of known cases (in months),	17 $\frac{10}{19}$	16 $\frac{2}{7}$	17 $\frac{17}{33}$	31 $\frac{1}{27}$	5 $\frac{1}{10}$	4 $\frac{7}{33}$	21 $\frac{14}{19}$	21 $\frac{5}{7}$	21 $\frac{24}{33}$

16. Cases Resulting in Death. — Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESI- DENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	—	—	—	—	—	—	—	—	—
Under 1 month, . . .	3	—	3	1	—	1	1	—	1
From 1 to 3 months, .	1	2	3	2	—	2	—	—	—
3 to 6 months, . . .	1	—	1	1	1	2	1	1	2
6 to 12 months, . .	1	—	1	5	—	5	2	—	2
1 to 2 years,	2	1	3	2	1	3	1	1	2
2 to 5 years,	3	1	4	2	1	3	3	1	4
5 to 10 years,	2	—	2	2	1	3	3	—	3
10 to 20 years, . . .	1	2	3	2	1	3	2	2	4
Over 20 years,	1	1	2	1	2	3	2	2	4
Unknown,	3	—	3	—	—	—	3	—	3
Totals,	18	7	25	18	7	25	18	7	25
Average of known cases (in months), .	34	82 $\frac{2}{7}$	49 $\frac{6}{11}$	56 $\frac{4}{9}$	1107 $\frac{11}{25}$	84 $\frac{7}{9}$	192 $\frac{2}{3}$	111 $\frac{1}{25}$	

17. Cases Discharged by Recovery or Death.

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Epilepsy,	—	—	—	2	2	4
General paralysis of the in- sane,	—	—	—	6	—	6
Mania, acute,	6	6	12	1	—	1
chronic,	—	—	—	3	2	5
recurrent,	1	1	2	—	—	—
alcoholic,	7	1	8	—	—	—
puerperal,	—	1	1	—	—	—
Melancholia, acute, . .	2	4	6	2	1	3
Delusional insanity, . .	1	—	1	—	—	—
Dementia, primary, . .	1	—	1	—	1	1
secondary,	—	—	—	3	1	4
senile,	—	—	—	1	—	1
Dipsomania,	4	1	5	—	—	—
Inebriate,	5	1	6	—	—	—
Totals,	27	15	42	18	7	25

18. Causes of Death.

CAUSES.	Males.	Females.	Totals.
Nervous system :—			
General paralysis of the insane, . . .	6	—	6
Exhaustion of acute mania, . . .	1	—	1
Exhaustion of chronic mania, . . .	1	—	1
Exhaustion of acute melancholia, . . .	—	1	1
Apoplexy,	2	—	2
Epilepsy,	1	2	3
Respiratory :—			
Phthisis,	2	3	5
Zymotic :—			
Pyæmia,	1	—	1
Digestive :—			
Peritonitis,	1	—	1
Circulatory :—			
Heart disease,	2	1	3
General :—			
Old age,	1	—	1
Totals,	18	7	25

21. *Deaths Classified by Duration of Insanity and of Treatment.*

PERIOD.	DURATION OF INSANITY FROM FIRST ATTACK.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	—	—	—	—	—	—
Under 1 month,	1	—	1	1	—	1
From 1 to 3 months,	—	—	—	2	—	2
3 to 6 months,	—	1	1	—	1	1
6 to 12 months,	3	—	3	6	—	6
1 to 2 years,	1	1	2	1	1	2
2 to 5 years,	3	1	4	3	1	4
5 to 10 years,	3	—	3	2	1	3
10 to 20 years,	2	2	4	2	1	3
Over 20 years,	2	2	4	1	2	3
Unknown,	3	—	3	—	—	—
Totals,	18	7	25	18	7	25
Average of known cases (in months),	95 $\frac{9}{15}$	196 $\frac{3}{7}$	127 $\frac{15}{22}$	54 $\frac{8}{9}$	112 $\frac{6}{7}$	71 $\frac{3}{5}$

22. *Ages of Those who died.*

AGES.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteen years and less,	1	1	2	—	—	—
From 15 to 20 years,	1	—	1	—	—	—
20 to 25 years,	—	1	1	2	—	2
25 to 30 years,	1	1	2	1	—	1
30 to 35 years,	1	2	3	—	1	1
35 to 40 years,	4	—	4	4	—	4
40 to 50 years,	3	—	3	2	2	4
50 to 60 years,	2	1	3	2	1	3
60 to 70 years,	1	1	2	2	2	4
70 to 80 years,	—	—	—	5	1	6
Unknown,	4	—	4	—	—	—
Totals,	18	7	25	18	7	25

[illegible]

[illegible]

[illegible]

26. *Classed Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65, . . .	225.10	48.16	69.83	343.25
1865-66, . . .	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67, . . .	261.96	49.46	89.75	401.17
1867-68, . . .	262.65	47.92	103.06	413.63
1868-69, . . .	248.52	54.98	101.46	404.96
1869-70, . . .	236.19	65.04	107.23	408.46
1870-71, . . .	234.10	77.07	118.38	429.55
1871-72, . . .	226.96	89.57	112.27	428.80
1872-73, . . .	248.02	99.23	90.00	437.25
1873-74, . . .	284.48	102.88	82.06	469.42
1874-75, . . .	274.35	128.34	72.46	475.15
1875-76, . . .	259.19	146.02	68.94	474.15
1876-77, . . .	254.84	161.58	60.02	476.44
1877-78, . . .	211.90	175.71	54.75	442.36
1878-79, . . .	200.34	182.29	54.23	436.86
1879-80, . . .	197.03	198.01	55.46	450.50
1880-81, . . .	180.82	214.15	57.19	452.15
1881-82, . . .	166.84	238.25	56.52	461.61
1882-83, . . .	161.62	247.63	57.58	466.83
1883-84, . . .	155.10	251.23	56.06	462.39
1884-85, . . .	154.44	261.58	59.82	475.84
1885-86, . . .	140.23	270.52	63.61	474.36
1886-87, . . .	122.78	289.38	66.00	478.16
1887-88, . . .	112.17	294.01	64.01	470.19
1888-89, . . .	104.67	303.01	61.31	468.99

27. *Monthly Consumption of Gas.*

MONTHS.	Cubic Feet.	Daily Average.
1888.		
October,	50,900	1,641.93
November,	56,300	1,876.66
December,	72,700	2,345.16
1889.		
January,	67,700	2,183.87
February,	51,700	1,846.43
March,	45,050	1,453.23
April,	34,600	1,153.33
May,	23,700	764.52
June,	19,900	663.33
July,	22,800	735.48
August,	27,900	900.00
September,	37,700	1,256.66
Total,	510,950	16,820.60

28. *Supplies for the Several Departments for the Year 1888-1889.*

	Sheets.	Pillow Cases.	Bed Spreads.	Blankets.	Bed Ticks.	Pillow Ticks.	Towels.	Curtains.	Wash Bowls.	Bwers.	Chambers.	Mirrors.	Hair Brushes.	Combs.	Carpet Strips.	Plates.	Cups.	Saucers.	Tumblers.	Mugs.	Bowls.	Pitchers.	Syrup Cups.	Knives.	Forks.	Lanterns.	Scissors.	Clothes Bags.	
Men's Department.	Upper 1st Hall,	18	18	—	3	—	24	—	—	—	5	—	4	3	2	—	12	24	32	—	—	20	3	2	19	7	—	—	1
	2d Hall,	6	12	—	—	4	—	4	—	—	6	2	2	2	—	—	12	6	28	—	18	3	—	23	23	—	—	—	
	3d and 4th Halls,	36	42	—	12	—	12	—	—	—	8	—	—	6	—	—	6	24	—	—	12	6	—	6	6	—	—	2	
	Middle 1st Hall,	36	24	—	—	3	—	—	—	—	8	—	—	1	—	—	24	24	—	—	18	2	—	3	—	—	—	—	
	2d Hall,	36	36	—	—	1	—	—	—	—	20	1	—	5	—	30	36	36	—	—	24	—	—	—	—	—	—	—	
	3d and 4th Halls,	54	18	—	12	4	18	—	1	—	8	—	—	—	—	6	24	30	—	—	—	—	—	—	—	—	—	—	
Women's Department.	Lower 1st Hall,	27	28	4	8	9	12	—	1	—	4	—	1	1	10	—	24	24	—	—	1	—	—	—	—	—	—	—	
	2d Hall,	32	34	—	11	4	12	—	—	—	8	—	—	—	—	6	24	24	—	—	—	—	—	—	—	—	—	—	
	3d and 4th Halls,	36	24	6	2	2	12	—	—	—	4	—	1	—	—	24	24	24	—	—	—	—	—	—	—	—	—	—	
	Upper 1st Hall,	—	12	12	—	—	30	6	2	2	—	—	—	—	—	18	12	36	18	—	—	3	1	2	15	21	—	—	
	2d Hall,	12	12	14	12	1	42	—	1	1	12	—	1	13	9	24	6	12	36	—	—	7	3	1	22	22	—	—	
	3d Hall,	76	52	14	12	—	66	—	—	—	3	—	—	10	2	9	18	30	6	18	—	—	—	—	18	—	—	—	
Middle 1st Hall,	4th Hall,	—	52	36	8	—	—	—	—	—	8	—	—	11	2	6	24	48	48	—	18	6	2	28	28	—	—	1	
	2d Hall,	12	48	12	4	7	30	6	2	2	6	—	—	11	13	18	24	48	—	6	—	—	—	—	—	—	—	—	
	3d Hall,	112	54	4	7	2	48	—	—	—	12	—	—	20	6	30	24	48	—	24	18	—	—	—	—	—	—	—	
	4th Hall,	24	12	16	2	2	42	2	—	—	18	—	—	39	6	18	6	12	42	—	24	18	1	1	—	—	—	—	
	Lower 1st Hall,	—	28	36	14	6	18	—	—	—	6	—	—	11	12	12	6	12	42	—	13	7	—	—	24	—	—	—	
	2d Hall,	12	12	1	12	—	28	6	7	1	—	1	—	20	6	6	24	24	—	—	—	—	—	—	—	—	—	—	
Lower 2d Hall,	3d Hall,	48	48	1	12	—	42	7	1	—	6	—	—	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	4th Hall,	12	24	6	12	6	54	3	—	—	6	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Kitchen,	—	—	—	—	—	—	—	—	—	—	—	—	3	—	192	39	36	60	—	—	—	—	—	—	—	—	—	
	Rear,	—	42	35	10	—	—	—	—	—	5	—	—	—	7	—	—	—	—	—	—	—	—	—	—	—	—	—	
Centre,	—	8	10	1	1	—	20	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Aggregate,	731	639	107	114	47	566	34	10	10	176	6	14	201	59	459	339	444	282	114	148	43	8	186	164	2	3	9	

28. Supplies for the Several Departments for the Year 1888-89 — Concluded.

	Spoons.	Glass Casters.	Table Spreads.	Napkins.	Tin Plates.	Tin Cups.	Iron Spoons.	Dish Towels.	Rollers.	Wash Basins.	Brooms.	Soap, pounds.	Whisks.	Dust Brushes.	Scrub Brushes.	Dust Pans.	Mops.	Pails.	Spittoons.	Blacking.	Shoe Brushes.	Spools Thread.	Papers Needles.	Papers Pins.	Rubber Chambers.
<i>Men's Department.</i>																									
Upper 1st Hall, . . .	36	-	1	18	-	-	-	12	-	-	14	44	2	2	2	2	2	1	-	1	8	2	2	-	-
2d Hall, . . .	34	-	3	50	-	-	-	12	18	-	21	58	2	2	4	1	2	2	1	7	4	4	4	1	-
3d and 4th Halls, . .	12	-	-	-	6	1	-	12	12	-	27	72	2	1	4	1	3	2	3	4	-	3	3	1	-
Middle 1st Hall, . . .	30	-	-	-	-	-	-	12	12	-	11	56	3	2	4	2	2	2	2	8	-	1	1	-	-
2d Hall, . . .	30	-	1	-	-	-	-	-	24	-	18	68	3	1	5	2	1	1	2	10	-	3	-	-	-
3d and 4th Halls, . .	-	-	-	-	6	1	-	24	12	1	19	90	2	2	3	1	4	3	3	13	7	2	3	-	-
Lower 1st Hall, . . .	28	-	1	-	-	-	-	6	12	-	11	14	1	2	1	1	3	-	-	14	2	1	-	-	-
2d Hall, . . .	16	-	1	-	12	-	-	26	12	-	26	70	1	2	2	1	3	-	-	7	2	2	-	-	-
3d and 4th Halls, . .	-	-	-	-	-	-	-	-	12	-	19	62	-	1	2	-	4	3	-	4	-	2	2	-	-
<i>Women's Department.</i>																									
Upper 1st Hall, . . .	12	-	2	24	-	-	-	-	-	-	8	44	1	1	1	1	1	2	2	-	-	-	4	1	4
2d Hall, . . .	32	-	2	48	-	-	-	6	-	-	23	46	3	1	1	1	4	1	1	1	-	1	14	2	6
3d Hall, . . .	-	-	-	-	-	-	-	-	-	-	11	54	-	1	2	1	-	2	2	-	-	16	3	8	-
4th Hall, . . .	68	-	-	-	-	9	36	18	-	-	19	64	-	3	-	1	-	2	1	-	-	11	2	9	-
Middle 1st Hall, . . .	36	-	2	-	-	-	-	6	-	-	16	58	-	1	-	-	6	2	2	-	-	26	1	5	-
2d Hall, . . .	-	-	1	-	6	-	12	12	-	-	27	88	-	2	-	-	6	2	2	-	-	19	7	13	-
3d Hall, . . .	12	-	1	-	12	30	24	-	-	-	21	60	-	1	1	2	13	6	-	-	-	19	8	20	-
4th Hall, . . .	-	-	8	-	-	-	12	6	-	-	18	46	2	1	1	2	6	7	-	-	-	6	2	1	-
Lower 1st Hall, . . .	24	-	3	-	-	-	-	6	-	1	14	48	-	3	1	1	15	4	1	-	-	24	3	3	-
2d Hall, . . .	-	-	5	-	6	-	12	-	-	-	25	102	-	1	-	1	9	-	-	-	-	20	2	24	-
3d Hall, . . .	-	-	-	-	-	-	12	-	-	-	15	54	-	1	-	1	1	4	-	-	-	16	3	11	-
4th Hall, . . .	-	-	-	-	-	-	-	-	-	-	5	22	-	1	-	1	-	1	-	-	-	16	1	5	-
Kitchen, . . .	-	-	-	2	24	-	-	13	12	-	64	69	-	1	-	1	-	6	-	-	-	-	-	-	-
Rear, . . .	-	-	-	6	-	-	-	-	-	-	74	152	2	3	2	-	5	12	-	-	-	-	-	-	-
Centre, . . .	-	-	1	-	-	-	-	24	-	-	11	55	2	5	-	-	2	3	-	1	-	-	-	10	-
Aggregates, . . .	370	-	32	142	64	93	116	183	102	4	507	1,496	25	43	28	17	98	60	10	77	7	190	32	124	8

29. *Days' Work by Patients.*

MONTHS.	FARM.	KITCHEN.			SEWING- ROOM.	LAUNDRY.		
	Men.	Men.	Women.	Totals.	Women.	Men.	Women.	Totals.
1888.								
October, .	757	55	196	251	258	51	373	424
November, .	644	90	185	275	226	48	370	418
December, .	627	93	178	271	233	47	336	383
1889.								
January, .	688	93	171	264	227	48	404	452
February, .	594	84	146	230	250	45	357	402
March, .	607	93	179	272	311	47	355	402
April, .	760	93	175	268	265	47	319	366
May, .	814	90	189	279	226	50	378	428
June, .	779	90	180	270	196	45	338	383
July, .	791	90	190	280	216	49	356	405
August, .	762	93	179	272	299	53	344	397
September, .	643	90	174	264	234	46	336	382
Totals, .	8,466	1,054	2,142	3,196	2,941	576	4,266	4,842

The patients whose work is recorded in this table were employed as many hours in the day as were the employees in each of the several departments, respectively. The total number of days' work is 19,445, to which may be added 221 days by men in the mattress room, making an aggregate of 19,666 days.

30. List of Articles made in the Sewing-Room.

Dresses,	260	Curtains,	84
Waists,	13	Sheets,	801
Chemises,	204	Pillow cases,	967
Drawers,	134	Spreads hemmed,	91
Skirts,	159	Bed ticks,	55
Night dresses,	21	Bolster cases,	39
Hats trimmed,	36	Clothes bags,	14
Caps,	313	Bureau covers,	34
Aprons,	193	Dish towels,	469
Collars,	194	Roller towels,	164
Shirts,	194	Carpets made,	17
Camisoles,	21	Carpet strips hemmed,	85
Suspenders, pairs,	44	Boys' suits made,	2
Table cloths,	37	Ox blankets,	2
Napkins hemmed,	138	Articles repaired,	23,293

31. Upholstery done in the Year.

Hair mattresses made, new materials,	15
Hair mattresses made, new ticks,	27
Hair mattresses overhauled, hair repicked,	136
Hair pillows overhauled, hair repicked,	12
Hair pillows overhauled,	13

32. *Annual Cost of Gas.*

YEAR.	Cost of Gas.	Average Number of Patients.	Cost per Patient.
1860-61,	\$2,030 39	314.26	\$6 46
1861-62,	2,085 29	313.80	6 64
1862-63,	2,109 02	355.63	5 93
1863-64,	2,069 79	357.63	5 78
1864-65,	1,653 05	342.40	4 82
1865-66,	1,107 98	376.35	2 94
1866-67,	1,056 16	401.03	2 63
1867-68,	1,022 51	413.41	2 47
1868-69,	903 92	405.10	2 23
1869-70,	915 30	408.83	2 23
1870-71,	1,043 99	421.90	2 47
1871-72,	980 94	428.72	2 28
1872-73,	1,006 61	437.23	2 30
1873-74,	1,066 74	469.54	2 27
1874-75,	1,012 63	475.35	2 13
1875-76,	1,089 82	474.21	2 29
1876-77,	1,033 59	476.16	2 17
1877-78,	1,066 02	442.43	2 41
1878-79,	1,033 05	436.73	2 37
1879-80,	954 00	450.51	2 10
1880-81,	949 65	451.79	2 10
1881-82,	919 13	461.66	2 00
1882-83,	992 10	466.76	2 10
1883-84,	1,031 55	463.05	2 23
1884-85,	912 49	475.94	1 92
1885-86,	882 90	474.40	1 86
1886-87,	854 97	478.54	1 79
1887-88,	901 74	470.25	1 91
1888-89,	955 51	469.10	2 04

33. Trustees of the Northampton Lunatic Hospital.

NAMES.	Residence.	When app'ted.	Service ended.	From What Cause.
Charles E. Forbes,* . .	Northampton, . . .	1856	1857	Term expired.
Lucien C. Boynton,* . .	Uxbridge, . . .	1856	1858	" "
Eliphalet Trask, . . .	Springfield, . . .	1856	1875	" "
John C. Russell,* . . .	Great Barrington, . .	1856	1859	Resigned.
Horace Lyman, . . .	Greenfield, . . .	1856	1857	Removed.
Charles Smith, . . .	Northampton, . . .	1857	1860	Resigned.
Luther V. Bell,* . . .	Somerville, . . .	1857	1859	"
Zebina L. Raymond,* . .	Greenfield, . . .	1858	1859	"
Franklin Ripley,* . . .	Greenfield, . . .	1859	1860	Died in office.
Edward Dickinson,* . .	Amherst, . . .	1859	1864	Resigned.
Walter Laffin,* . . .	Pittsfield, . . .	1859	1866	Term expired.
Silas M. Smith,* . . .	Northampton, . . .	1860	1863	" "
Charles Allen, . . .	Greenfield, . . .	1860	1861	Resigned.
Alfred R. Field,* . . .	Greenfield, . . .	1861	1864	"
Edward Hitchcock, . .	Amherst, . . .	1863	1879	"
Silas M. Smith,* . . .	Northampton, . . .	1864	1887	Died in office.
Edmund H. Sawyer,* . .	Easthampton, . . .	1864	1879	" "
Henry L. Sabin,* . . .	Williamstown, . . .	1866	1876	Term expired.
Adams C. Deane, . . .	Greenfield, . . .	1875	—	Still in office.
Henry W. Taft, . . .	Pittsfield, . . .	1876	—	" "
William M. Gaylord, . .	Northampton, . . .	1879	1883	Term expired.
Lyman D. James, . . .	Williamsburg, . . .	1879	—	Still in office.
Christopher Merritt, . .	Springfield, . . .	1883	1888	Term expired.
Sarah A. Woodworth, . .	Chicopee, . . .	1884	—	Still in office.
Sarah M. Butler, . . .	Northampton, . . .	1884	—	" "
John L. Otis, . . .	Florence, . . .	1887	—	" "
N. A. Leonard, . . .	Springfield, . . .	1888	—	" "

* Deceased.

34. Officers and Employees.

Time employed, Oct. 1, 1889.

NAMES.	Years.	Months.	Days.
Edward B. Nims, M.D., superintendent,	20	9	16
John A. Houston, M.D., 1st assistant physician,	—	—	7
Charles M. Holmes, M.D., 2d assistant physician,	—	2	21
Emily F. Wells, M.D., female physician,	4	9	—
Walter B. Welton, clerk,	23	7	16
John Mercier, farmer,	22	2	—
Danford Morse, engineer,	24	6	9
Robert H. Gallivan, supervisor,	16	5	13
Lucy A. Gilbert, supervisor,	22	7	20
F. Josephus Rice, steward,	30	11	26
Minnie A. Smith, seamstress,	1	8	27
Lizzie E. Rice, laundress,	—	2	6
George B. Walker, baker,	5	3	22
Minne A. Collier, assistant clerk,	—	9	20
Lucie L. Barrett, assistant supervisor,	3	—	12
Bradamant Fairbanks, assistant seamstress,	—	5	14
Mattie G. Jones, assistant laundress,	—	1	11
Emma Smith, assistant laundress,	—	2	20
Henry W. Estey, attendant,	7	6	7
Thomas Lavelle, attendant,	3	6	23
Anson T. Hale, attendant,	2	5	—
Fred A. Shumway, attendant,	1	5	25
Jeremiah J. Regan, attendant,	—	9	3
John A. Vincent, attendant,	—	8	26
Ernest Aldrich, attendant,	—	6	20
Daniel W. Webster, attendant,	—	6	9
James F. Wells, attendant,	—	4	8
Edward N. Aldrich, attendant,	—	2	29
W. J. Bond, attendant,	—	2	1
George M. Locke, attendant,	—	1	7
Emory L. Hill, attendant,	—	—	14
Jane McGuire, attendant,	14	5	5
Cecile Riel, attendant,	12	11	25
Jeanette McLean, attendant,	6	1	3
Philomene Goyette, attendant,	6	6	13
Effie Clapp, attendant,	3	3	17
Alice A. Hawkes, attendant,	1	9	27
Celeste Goyette, attendant,	4	6	16
Harriet L. Strong, attendant,	2	6	13
Adeline D. Morgan, attendant,	1	—	12
Marion Darling, attendant,	—	6	15
Katy A. Cook, attendant,	—	2	5
Emma A. Shumway, attendant,	—	2	2
Mary Sweeney, attendant,	—	1	28
Flora E. Jones, attendant,	—	2	14
Mary McClellan, attendant,	1	2	13
Jessie A. Rand, night watch,	8	3	11
Florence Bryant, farmer's dining room,	—	—	2
Hattie Darling, centre,	2	10	—

34. *Officers and Employees* — Concluded.

NAMES.	Years.	Months.	Days.
Belle Warren, centre,	—	5	6
Ida D. Hyde, centre,	4	4	6
Mary Mangan, cook,	1	2	5
Alice A. Miller, assistant cook,	—	5	14
Maggie Howe, assistant cook,	—	2	29
Mary A. Carnes, rear,	6	3	—
William C. Hall, assistant engineer,	24	—	20
Nicholas Riel, night engineer,	13	9	25
Moses Bartlett, watchman,	—	6	25
Sifroi Belville, carpenter,	19	5	7
Walter Tower, carpenter,	11	10	—
Alfred Parenteau, painter,	24	1	18
David Mercier, coachman,	12	7	14
Benjamin Rockwell, assistant farmer,	22	4	—
Henry Wilson, assistant farmer,	10	5	8
James Madden, assistant farmer,	14	—	29
Eugene Sullivan, assistant farmer,	14	5	—
George E. Hunter, assistant farmer,	3	5	19
Hermon Miller, assistant farmer,	—	5	14
George W. Braman, assistant farmer,	—	10	8
John Gray, assistant farmer,	—	6	4
David McCandless, assistant farmer,	—	5	15
Herbert T. Wells, assistant farmer,	—	1	4
Albert Holmes, car boy,	—	5	18
William A. Rice, assistant baker,	—	3	3

THIRTY-FIFTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1890.

BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1891.

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1891.

MASSACHUSETTS STATE HOUSE

NOV 11 1890

STATE HOUSE BOSTON
Office of Govt

THOMAS H. BROWN
GOVERNOR
JAMES H. COLEMAN
COMMISSIONER

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OFFICERS

OF THE

NORTHAMPTON LUNATIC HOSPITAL.

TRUSTEES.

Mrs. SARAH M. BUTLER,	NORTHAMPTON.
ADAMS C. DEANE, M.D.,	. . . . .	GREENFIELD.
HENRY W. TAFT, Esq.,	. . . . .	PITTSFIELD.
LYMAN D. JAMES, Esq.,	. . . . .	WILLIAMSBURG.
NEHEMIAH A. LEONARD, Esq.,	. . . . .	SPRINGFIELD.
Hon. ALVAN BARRUS,	. . . . .	GOSHEN.
Mrs. SARAH A. WOODWORTH,	. . . . .	CHICOPEE.

RESIDENT OFFICERS.

EDWARD B. NIMS, M.D.,	. . . . .	<i>Superintendent.</i>
JOHN A. HOUSTON, M.D.,	. . . . .	<i>Assistant Physician.</i>
CHARLES M. HOLMES, M.D.,	. . . . .	<i>Assistant Physician.</i>
EMILY F. WELLS, M.D.,	. . . . .	<i>Female Physician.</i>
WALTER B. WELTON,	. . . . .	<i>Clerk.</i>
JOHN MERCIER,	. . . . .	<i>Farmer.</i>
DANFORD MORSE,	. . . . .	<i>Engineer.</i>

TREASURER.

EDWARD B. NIMS,	. . . . .	NORTHAMPTON.
Office at the Hospital.		

SUBORDINATE OFFICERS.

ROBERT H. GALLIVAN,	. . . . .	<i>Male Supervisor.</i>
LUCY A. GILBERT,	. . . . .	<i>Female Supervisor.</i>
THOMAS C. POWERS,	. . . . .	<i>Steward.</i>
MINNIE A. SMITH,	. . . . .	<i>Seamstress.</i>
LIZZIE E. RICE,	. . . . .	<i>Laundress.</i>
GEORGE B. WALKER,	. . . . .	<i>Baker.</i>



Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees herewith present for your consideration the thirty-fifth annual report of the Northampton Lunatic Hospital, giving in detail the operations, improvements and statistics for the year 1889-90. A comparison with the report of the previous year shows that the number of admissions within the year was larger by 15. The number of patients in the hospital was larger by 49 at the end of the year than at the end of the previous year.

The rate of mortality — 3.4 per cent. on the whole number treated, and 4.46 on the daily average population — was the smallest for any year in the history of the hospital. The financial condition of the hospital remains good.

We are again able to state that there has been no serious accident within the year, no case of contagious disease, and an unusually small amount of illness among the patients. Taking these facts as our basis, we must regard the results of the year as a proof of successful work and careful management.

The number of patients in the hospital Oct. 1, 1889, was 446, 217 of whom were men, and 229 women. Within the year 91 men and 79 women, making a total of 170, have been admitted. The total number under treatment for the year was 616, of whom 308 were men and 308 were women. The number of patients who left the hospital was 121, of whom 65 were men and 56 were women. Twenty-one persons died, — 12 men and 9 women. The number remaining

Sept. 30, 1890, was 495, of whom 243 were men and 252 were women. The average daily number was 470.5. The largest number in the hospital on any one day was 495, the smallest 439. Of the patients remaining in the hospital at the end of the year, 14 have been resident over thirty years, 22 between twenty and thirty years, 91 between ten and twenty years, 101 between five and ten years, 157 between one and five years, and 110 less than one year. Of the 121 patients who were discharged, 32 were discharged as recovered, 14 as much improved, 34 as improved, 17 as unimproved and 3 as not insane.

Your attention is called to the fact that the increase of patients in the hospital within the year was a natural one. All the commitments for the year were from the western district of the State. It is apparent that, unless relief is obtained from some quarter, the hospital is likely to be overcrowded in the ensuing year. As the other State hospitals are all full, it is not probable that much relief will be obtained until the new hospital for the chronic insane is erected.

The repairs and improvements in the hospital have been continued during the year. The amount of money expended each year for necessary repairs is large, and will continue to be so, on account of the length of time which the buildings have been in use. The whole interior wood-finishing must be soon renewed. Many new floors have been relaid; new bath-rooms and drying-closets have been made. A new departure was made in the erection of a green-house, which is now in process of construction. It is in size one hundred feet by twenty. It is designed to make use of the later and improved ideas in construction and heating.

The improvements have been continued on the farm, in improving the drainage and reclaiming waste lands. A new face stone wall was built, enclosing a large yard for farm purposes. The area of the farm has been increased by the purchase of about six acres of land, known as the Arnold lot, on Chapel Street. This lot contains one of the best building sites in the vicinity of the hospital.

The original plans of the hospital building were defective in some respects. New plans are now being made, which have for their object the remedying of these defects, and

which will improve the lighting and ventilation of the halls and rooms. It is also proposed to enlarge and improve the chapel, which has been too small since the population of the hospital has reached its present numbers. There is evident need of improved appliances and conveniences for the frequent assemblies and entertainments which are held there. The rear or working wing of the hospital includes, besides the chapel, the lodging-rooms for employees, the laundry, sewing-room, bakery, kitchen and store-rooms.

More room is needed, which can be obtained only by enlarging and changing the building. The act of the Legislature, which requires fire-escapes on all the buildings, will require a considerable outlay of money. To make these improvements and to bring the hospital up to the desired standard of completeness will make it necessary for us to ask for a liberal appropriation of money from the next Legislature.

The monthly meetings of the Board have been held regularly, at which the hospital has been thoroughly inspected, and the vouchers for all disbursements have been approved. The treasurer's report gives in detail the moneys received and expended, and the present financial standing of the hospital. The amount received for the support of each State, town or city patient, including clothing and damage, has been \$3.25 per week. The average weekly cost for all patients has been \$3.51. The total amount charged for each class of patients for the year is as follows :—

State patients,	\$16,544 81
Town patients,	52,656 07
Private patients,	16,287 03
Total,	<u>\$85,487 91</u>

A financial statement, giving the amount due the hospital, the money on hand, and the value of all purchased supplies on hand, together with the liabilities, has been presented to the Board by the treasurer at each of the monthly meetings. This enables us to see at a glance the amount of the real or working surplus of the institution. The income from the products of the farm is gradually increasing, and assists materially in the financial management of the hospital.

The staff of officers remains the same as at the beginning of the year. We have to record the death of Mr. F. J. Rice, who had been employed in the hospital for thirty-one years. For a large portion of that time he was at the head of the kitchen department. He was faithful and conscientious in the performance of his work, and thoroughly loyal to the interests of the institution.

The trustees take pleasure in commending the faithful services of the physicians and officers in charge of the institution.

SARAH M. BUTLER.
ADAMS C. DEANE.
HENRY W. TAFT.
LYMAN D. JAMES.
NEHEMIAH A. LEONARD.
ALVAN BARRUS.
SARAH A. WOODWORTH.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1890.

Superintendent and physician,	per year, \$2,500 00
Assistant physician, first,	1,200 00
Assistant physician, second,	500 00
Female physician,	900 00
Treasurer,	300 00
Treasurer, for clerk hire and paid to clerk,	200 00
Clerk,	1,200 00
Farmer,	700 00
Engineer,	900 00
Assistant clerk,	per month, 20 00
Supervisor (male),	40 00
Supervisor (female),	30 00
Assistant supervisor (female),	20 00
Seamstress,	20 00
Assistant seamstress,	16 00
Laundress,	18 00
Assistant laundresses (2),	18 00
Assistant laundress,	16 00
Baker,	40 00
Steward,	50 00
Assistant steward,	35 00
Attendants (male, 7),	30 00
Attendant (male),	25 00
Attendant (male),	23 00
Attendants (male, 4),	21 00
Attendants (female, 13),	18 00
Attendants (female, 2),	14 00
Night watch (female),	14 00
Housework, centre (female),	17 00
Housework, centre (female),	15 00
Housework, centre (female),	14 00
Cook (female),	18 00
Assistant cook (male),	30 00
Assistant cook (female),	16 00

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Assistant cook (female),	per month,	\$15 00
Assistant cooks (female, 2),	"	14 00
Assistant baker (male),	"	25 00
Farmer's dining room (female),	. . . . .	"	15 00
Housework, rear building (female),	. . . . .	"	15 00
Watchman,	. . . . .	"	30 00
Carpenter,	. . . . .	per day,	2 25
Carpenter,	. . . . .	"	2 00
Painter,	. . . . .	per month,	50 00
Assistant engineer,	. . . . .	"	32 00
Night engineer, and gardener in summer,	. . . . .	"	30 00
Coachman,	. . . . .	"	30 00
Car boy,	. . . . .	"	16 00
Farm hands (2),	. . . . .	"	30 00
Farm hands (3),	. . . . .	"	28 00
Farm hand,	. . . . .	"	26 00
Farm hands (2),	. . . . .	"	25 00
Farm hands (2),	. . . . .	"	23 00

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1890.

Live stock on hand,	\$8,436 00
Produce of farm on hand,	10,558 20
Carriages and agricultural implements,	3,670 00
Machinery and mechanical fixtures,	5,915 00
Beds and bedding in inmates' department,	12,550 00
Other furniture in inmates' department,	7,100 00
Personal property of State in superintendent's department,*	8,900 00
Ready-made clothing,	2,715 77
Dry goods,	4,840 74
Provisions and groceries,	4,595 50
Drugs and medicine,	550 00
Fuel,	5,399 17
Library,	1,000 00
Paints and oils,	475 00
Total,	<hr/> \$76,705 38

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing room and other apartments.

TREASURER'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

I hereby present my report, as treasurer of the hospital, for the fiscal year ending with the 30th of September, 1890. It contains, as usual, an appraisal of the property of the institution, an account of the receipts and the disbursements of money during the year, and the financial condition at its close.

ASSETS.

Four hundred and ninety-three acres of land,	\$52,121 00	
Hospital building,	250,000 00	
Farm house, \$1,900; brick house, \$1,900,	3,800 00	
Four dwellings,	2,000 00	
Storehouse and shops,	15,000 00	
Two barns,	5,150 00	
Horse stable,	1,800 00	
Scullery and wood house,	650 00	
Lumber house,	1,000 00	
Pump house,	900 00	
Cart shed,	450 00	
Coal house,	125 00	
Piggery,	3,000 00	
Cattle shed,	1,200 00	
Fire-proofs for oils and paints,	500 00	
Two ice houses,	450 00	
Total,	<hr/>	\$338,146 00

PERSONAL ESTATE.

Stock and supplies on hand, as per inventory appended to the trustee's report,	\$76,705 38
------------------------------------------------------------------------------------------	-------------

RECEIPTS.

Cash on hand Sept. 30, 1889,	\$18,868 96	
Received from State treasurer,	16,384 41	
from towns,	53,733 24	
from individuals,	16,982 73	
from sales,	2,316 63	
from interest,	748 54	
Total,	<hr/>	\$109,034 51

PAYMENTS.

1. Salaries, wages and labor,	\$29,896 81	
2. Provisions and supplies:—		
Meats of all kinds,	\$4,575 34	
Fish of all kinds,	1,561 08	
Fruit and vegetables,	2,570 76	
Flour,	2,661 50	
Grain and meal for table,	667 17	
Tea, coffee and chocolate,	987 36	
Grain and meal for stock,	2,508 84	
Sugar and molasses,	2,065 76	
Butter and cheese,	4,356 91	
Salt and other groceries,	2,060 11	
All other provisions,	806 56	
		24,821 39
3. Clothing,		2,491 75
4. Fuel and lights,		6,073 00
5. Medicines and medical supplies,		1,251 80
6. Furniture, beds and bedding,		4,641 26
7. Transportation and travelling expenses,		300 51
8. Ordinary construction and repairs,		3,213 09
9. Extraordinary construction and repairs,		2,204 06
10. Miscellaneous expenses, including:—		
1. Real estate,	\$2,015 00	
2. Farm stock,	2,044 00	
3. Farm supplies,	4,069 62	
4. Water,	1,172 81	
5. Minor expenses,	1,227 92	
6. Contingencies,	730 27	
		11,259 62
Total expenditures,		\$86,153 29

LIABILITIES.

Salaries and wages due Oct. 1, 1890,	\$3,932 25
Miscellaneous bills due,	2,188 76
	\$6,121 01

Due the institution for board Oct. 1, 1890:—

From State,	\$4,211 94	
town,	13,767 87	
individuals,	4,772 67	
Due from treasurer, Sept. 30, 1890,	22,881 22	
		\$45,633 70

SUMMARY.

Total receipts,	\$109,034 51
Total payments,	86,153 29
Cash on hand Sept. 30, 1890,	\$22,881 22

16 NORTHAMPTON LUNATIC HOSPITAL. [Oct.

Total liabilities,	\$6,121 01
Total debts due the institution,	45,633 70
Total expenditures,	86,153 29

Dividing this sum by 470.5, the average number of patients, we have the average expenditure per patient, .	\$183 11 ³⁵ / ₁₀₀
And the average weekly expenditure per patient, .	3 51 ¹¹ / ₁₀₀

Deducting from the total expenditure,	\$86,153 29
The extraordinary expenses,	4,219 06

We have the current expenses,	\$81,934 23
-----------------------------------------	-------------

Dividing \$81,934 23 by 470.5, the average number of patients, we have the average expenditure per patient, .	\$174 13 ⁸⁷ / ₁₀₀
Making the average weekly expenditure per patient, .	3 33 ⁹⁶ / ₁₀₀

Deducting from the current expenses,	\$81,934 23
The increase of personal assets,	2,206 65

We have the necessary cost for the year,	\$79,727 58
----------------------------------------------------	-------------

Dividing \$79,727.58 by 470.5, the average number of patients, we have, as the annual cost of each patient, .	\$169 45 ⁸⁸ / ₁₀₀
Making the average weekly cost of each patient, .	3 24 ⁹⁷ / ₁₀₀

EDWARD B. NIMS,
Treasurer.

We have examined, as auditors, the accounts of the treasurer, and found a satisfactory voucher for every entry.

A. C. DEANE,
ALVAN BARRUS,
Auditors.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The history of the events of the past year, the details of the work which has been done and the results which have been accomplished, are for the most part already well known to you. It is well, however, to analyze these results, and to place them upon record, in order that you may reach a more complete understanding of the condition of the hospital, be able to compare the past with previous years, and have them for reference in the future. It is well also that the public should have knowledge of these facts, as they are the patrons of the institution. In presenting the thirty-fifth annual report of this hospital for the year 1889-90, your attention is called to the following table, which gives the movement of population and the general statistics:—

1. General Statistics.

	Males.	Females.	Total.
Patients in hospital Oct. 1, 1889,	217	229	446
Admitted within the year,	91	79	170
Whole number of cases within the year, . .	308	308	616
Discharged within the year,	65	56	121
Viz : as recovered,	18	14	32
much improved,	5	9	14
improved,	17	17	34
unimproved,	12	5	17
not insane,	1	2	3
Deaths,	12	9	21
Patients remaining Sept. 30, 1890,	243	252	495
Viz.: supported as State patients,	56	50	106
town patients,	152	166	318
private patients,	35	36	71
Number of different persons within the year,	305	306	611
Persons admitted,	89	79	168
Persons recovered,	18	14	32
Daily average number of patients,	228.58	241.92	470.5

On the 1st of October, 1890, two women and three men were transferred from State to town charge. Hence the new year will begin with —

	Males.	Females.	Totals.
State patients,	53	48	101
Town patients,	155	168	323

The total number of cases admitted within the year was 170,—91 men and 79 women. At the beginning of the year there were in the hospital 217 men and 229 women, making in all 446 persons; which makes the whole number under treatment 616,—308 men and 308 women. The daily average was 470.5: men, 228.58; women, 241.92. One hundred and twenty-one cases were discharged, including 21 deaths: men, 65; women, 56. The number remaining at the end of the year was 495 (men, 243; women, 252), an increase for the year of 49. As the increase in the number of cases admitted was but 15 over that of the previous year, the lessened number of discharges will account for the gain in population. The large proportion of incurable and protracted cases admitted is the evident reason for this change. Of those discharged, 75 returned to their homes, 5 were removed to almshouses, 12 were removed out of the State, 2 eloped, 6 were removed to other hospitals. One man was admitted and discharged twice; one man was admitted, discharged and readmitted; one man was discharged and readmitted, two women were discharged and readmitted, all within the year; which makes the number of persons admitted within the year 168,—89 men and 79 women. The number of persons discharged was 120,—64 men and 56 women. The whole number of persons under treatment was 611,—305 men and 306 women. The largest number of patients in the house on any one day was 495, and the smallest 439. The number of first admissions of cases was 134; of second admissions, 26; of third admissions, 5; of fourth, 3; of fifth, 1; and of fifteenth, 1.

STATUS OF PATIENTS.

The relative proportion of the different classes of patients has not changed materially within the year. At the beginning there were in the hospital 88 State, 297 town and 61 private patients. Of the 170 cases admitted, 48 were supported by the State, 93 by towns and cities, and 29 by individuals; of the 121 discharged, 25 were State, 75 town and 21 private patients; leaving the number at the end of the year, respectively, 106 State, 318 town and 71 private.

The weekly average of the different classes, as given in the weekly returns which are made to the State Board of Lunacy and Charity, is given in the following table, showing the comparative standing for two years past:—

	1888-89.			1889-90.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, .	56.56	48.11	104.67	48.42	48.44	96.86
Town patients, .	145.51	157.50	303.01	151.46	159.71	311.17
Private patients, .	29.38	31.93	61.31	28.42	33.65	62.07

The custom which prevails in this State of supporting the patients in the hospitals in the different classes, has undoubtedly some advantages over the method pursued in some States of supporting such patients by direct State appropriations. The friends of patients often desire that they shall have better accommodations than the legal rate will give them, and also have a strong feeling of pride in maintaining them, and not allowing them to become objects of charity. This custom also brings individuals and towns and cities into more intimate personal relations with the hospitals. The personal interest is stronger in those patients whose bills they pay, and influences are often brought to bear on the patient which are very effective.

I fail to see any good reason why patients in the hospitals should not be cared for by the towns and cities as well as other persons who are dependent. If all patients in the

hospitals were supported by the State, there would undoubtedly be a strong inclination on the part of the towns and cities to avail themselves of the State provision, and thereby increase the number of patients in the hospitals. Under the present arrangement, individuals, towns and cities often have a strong motive for securing the discharge of mild and incurable cases, and in procuring homes and occupation for them.

RECOVERIES.

Thirty-two patients were discharged as recovered, including 5 inebriates. Of these, 1 had previously been discharged as recovered. It is perhaps proper to say that many who are committed to the hospital under the dipsomaniac act are in the truest sense of the word insane. The per cent. of recoveries, reckoned on the number admitted, is 18.8; on the number discharged, 26.6; on the number discharged, exclusive of death, 32. Of the 17 persons discharged as unimproved, 4 were removed out of the State, 6 were removed by friends to their homes, 3 went to almshouses, 3 to the Massachusetts School for Feeble-minded and 1 to the McLean Asylum.

DEATHS.

The past year has been an exceptional one, both in the small amount of sickness which has prevailed and in the comparatively small number of deaths. Twelve men and 9 women died. The rate per cent., reckoned on the whole number of cases under treatment, was 3.4; and, reckoned on the daily average population, 4.46. As will be seen from the accompanying table, this is the lowest percentage for any year since the opening of the hospital. It is gratifying to record this fact, as it is an indication of the good degree of health among the patients, and as it militates against the theory that the small death rate in this hospital was owing largely to the chronic character of its population. There is a regular increase in the number of acute cases admitted each year, without a corresponding increase in the death rate. But one of the deaths which occurred within the year was caused directly by acute disease. This was a case of acute mania, in which death resulted from exhaustion. Two

deaths were caused by Bright's disease, two by exhaustion of chronic mania, and one from exhaustion of senile mania. In three cases paresis was the cause; and in two, phthisis. Cancer, paralysis, epilepsy and old age each caused one death. Three died of chronic brain disease; one man, and one woman who had been for a long time in feeble health, died of apoplexy, having survived several attacks of the same disease. The epidemic "La Grippe," which prevailed so extensively in the winter, occasioned but one serious case of illness among the patients. One man, who had been epileptic for many years, and also had serious disease of the lungs, contracted the disease, which resulted in pneumonia and subsequently in death. One man, who was in the last stage of paresis when admitted, remained five weeks in the hospital, and was removed by friends, at their own request, to his home, where he soon died. All others who left the hospital within the year are living at the present time, as far as known. The last case of suicide occurred in October, 1884. Of the 21 persons who died, 3 were supported by the State, 17 by towns, and 1 by individuals.

The following table gives the yearly number of deaths, and the ratios, since 1858:—

Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1890.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Aver- age No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Aver- age No. of Patients.
			Men.	Women.	Totals.		
1858-59, .	313	229.55	7	12	19	6.07	8.27
1859-60, .	398	255.96	9	18	27	6.78	10.54
1860-61, .	434	314.26	15	15	30	6.91	9.54
1861-62, .	442	313.80	9	10	19	4.29	6.05
1862-63, .	470	355.28	19	7	26	5.53	7.31
1863-64, .	475	357.63	17	30	47	9.89	13.14
1864-65, .	469	342.40	17	24	41	8.76	11.97
1865-66, .	488	376.35	18	13	31	6.35	8.23
1866-67, .	543	401.03	23	24	47	8.65	11.71
1867-68, .	565	413.41	25	17	43	7.61	10.40
1868-69, .	590	405.10	13	12	25	4.23	6.17

Deaths and their Ratios, etc. — Concluded.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Aver- age No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Aver- age No. of Patients.
			Men.	Women.	Totals.		
1869-70, .	604	408.83	22	11	33	5.46	8.07
1870-71, .	616	421.90	16	12	28	4.54	6.64
1871-72, .	619	428.72	19	18	37	5.97	8.63
1872-73, .	614	437.23	13	8	21	3.42	4.80
1873-74, .	626	469.54	14	11	25	3.99	5.32
1874-75, .	629	475.35	23	18	41	6.52	8.62
1875-76, .	629	474.21	18	19	37	5.88	7.80
1876-77, .	603	476.16	21	21	42	6.96	8.82
1877-78, .	551	442.43	14	9	23	4.17	5.19
1878-79, .	535	436.73	14	9	23	4.29	5.27
1879-80, .	559	450.51	17	12	29	5.19	6.44
1880-81, .	569	451.79	16	10	26	4.57	5.75
1881-82, .	587	461.66	24	14	38	6.47	8.23
1882-83, .	606	466.76	17	13	30	4.95	6.42
1883-84, .	605	463.05	12	13	25	4.13	5.39
1884-85, .	599	475.94	16	11	27	4.51	5.67
1885-86, .	659	474.40	14	12	26	3.94	5.48
1886-87, .	639	478.55	13	18	31	4.85	6.47
1887-88, .	635	470.25	14	17	31	4.88	6.59
1888-89, .	636	469.10	18	7	25	3.93	5.32
1889-90, .	616	470.50	12	9	21	3.40	4.46

WORSHIP AND ENTERTAINMENT.

Religious services have been held in the chapel regularly on Sabbath afternoons during the year. The attendance at these services is voluntary on the part of the patients. It has been the custom to hold these services on Sabbath afternoons since the opening of the hospital, for all who are willing to attend them and who are in a condition which makes it proper for them to do so. The good order and attention given to the exercises are always noticeable, especially to strangers who are present. Serious interruptions are very rare. The frequent evening entertainments which have been customary for the past twenty-five years were continued through the year, with about the usual variety.

Exercises in Chapel.

1. ON THE SABBATH:—

Divine worship,	52 days.
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2. ON SECULAR EVENINGS:—

(a) *Readings and Recitations, opened and closed with music:—*

The Bible and selections of poetry,	.	.	.	30 days.
The Bible and selections of prose,	.	.	.	4 days.
The Bible and selections of poetry and prose,	.	.	.	18 days.
Miscellaneous selections of prose,	.	.	.	84 days.
Miscellaneous selections of poetry,	.	.	.	4 days.
Miscellaneous selections of poetry and prose,	.	.	.	47 days.

(b) *Other Entertainments:—*

Pictures shown with the stereopticon,	.	.	.	9 days.
Concerts,	.	.	.	1 day.
Ventriloquism,	.	.	.	1 day.

(c) *Social Assemblies:—*

Quadrille parties,	.	.	.	.	.	26 days.
No Assembly,	.	.	.	.	.	89 days.

365 days.

FARM.

The present year has been a very productive one for the hospital farm, in nearly every crop. The careful and continued good cultivation of the soil is resulting in a gradual increase of products from year to year. The amount of hay harvested is larger than in any former year, and is now sufficient to supply the demand. The apple crop was unusually fine, and demonstrated the advantage of special cultivation.

The experience of each succeeding year confirms the opinion that a well-managed farm is both useful and helpful to a hospital in various ways. The farm now contains about 493 acres. The present stock on the farm consists of 13 horses and colts, 106 head of cattle, 282 swine and 325 fowls. The yearly product of hay is given in the following table : —

1864, estimated, . . . 40 tons.	1878, weighed, . . . 179 tons.
1865, " . . . 62 "	1879, " . . . 144 "
1866, " . . . 42 "	1880, " . . . 154 "
1867, weighed, . . . 82 "	1881, " . . . 213 "
1868, " . . . 86 "	1882, " . . . 170 "
1869, " . . . 91 "	1883, " . . . 197 "
1870, " . . . 74 "	1884, " . . . 174 "
1871, " . . . 75 "	1885, " . . . 251 "
1872, " . . . 91 "	1886, " . . . 269 "
1873, " . . . 84 "	1887, " . . . 302 "
1874, " . . . 120 "	1888, " . . . 305 "
1875, " . . . 100 "	1889, " . . . 331 "
1876, " . . . 111 "	1890, " . . . 336 "
1877, " . . . 154 "	

Sixty-five hogs were slaughtered, the total weight of which was 25,189 pounds. The heaviest weighed 616 pounds.

Special care is taken in feeding the animals to prevent them from contracting disease, and portions of each one which is slaughtered are examined with the microscope, to test the condition.

The amount of pork raised is larger than is consumed. The annexed table gives the yearly product of pork : —

Pork raised upon the Farm.

1865, . . .	6,265 pounds.	1878, . . .	14,451 pounds.
1866, . . .	5,443 "	1879, . . .	13,569 "
1867, . . .	7,416 "	1880, . . .	14,729 "
1868, . . .	7,791 "	1881, . . .	15,610 "
1869, . . .	8,469 "	1882, . . .	14,414 "
1870, . . .	7,447 "	1883, . . .	15,612 "
1871, . . .	7,863 "	1884, . . .	10,192* "
1872, . . .	11,366 "	1885, . . .	17,544 "
1873, . . .	10,511 "	1886, . . .	21,503 "
1874, . . .	12,024 "	1887, . . .	26,331 "
1875, . . .	12,693 "	1888, . . .	18,465 "
1876, . . .	12,467 "	1889, . . .	19,227 "
1877, . . .	13,605 "	1890, . . .	25,189 "

The total value of the farm products exceeds those of any former year. There were produced within the year 28,050 gallons of milk, one-third of this amount being given in the table of products, the remaining two-thirds being accounted for in the value of the animal and the food consumed. The object and the end sought for in the management of the farm is to cultivate such crops as will most directly meet the wants of the hospital. The value of such crops does not depend upon the prices which such articles will bring in outside markets, but according to their usefulness to the hospital. Hence the variety of products which are cultivated. The price of board of patients is fixed and essentially always the same. There is always a ready home market, and hence very little waste. The profit of the farm depends thus largely upon the cheapness with which such products can be raised. The labor of patients comes in here as an important element; and, while such labor does not receive any direct remuneration, yet it indirectly contributes to the comfort and welfare of the patients by the increased means of support which their labor furnishes.

List of Farm Products in 1890.

Hay (first growth of home farm), 232 $\frac{1}{2}$ tons, . . .	\$3,022 50
Hay (south lot), 24 $\frac{1}{4}$ tons, . . .	315 25
Hay (Clarke orchard), 14 $\frac{1}{4}$ tons, . . .	185 25
Hay (aftergrowth of whole farm), 65 $\frac{1}{2}$ tons, . . .	851 50

* Quantity diminished by disease.

Corn fodder (dry), 27 tons,	\$135 00
Corn, 460 bushels,	267 00
Straw, 11 tons,	110 00
Potatoes, 2,632 bushels,	1,579 20
Broom seed, 50 bushels,	20 00
Broom brush, 900 pounds,	54 00
Carrots, 150 bushels,	60 00
Sugar beets, 400 bushels,	120 00
Beets, 205 bushels,	123 00
Onions, 436 bushels,	261 60
Turnips, 483 bushels,	144 90
Parsnips, 70 bushels,	42 00
Beans (Lima), in shell, 30 bushels,	60 00
Beans (common), in shell, 132 bushels,	132 00
Beans (string), 30½ bushels,	30 50
Peas (green), in pod, 117 bushels,	117 00
Sweet corn (green), in ear, 233 bushels,	175 12
Tomatoes, 110½ bushels,	110 50
Lettuce, 113 bushels,	113 00
Cucumbers, 190 bushels,	190 00
Squash (summer), 92½ bushels,	92 50
Squash (winter), 10,000 pounds,	150 00
Melons, 12,800 pounds,	128 00
Asparagus, 11½ bushels,	34 50
Pie plant, 99½ bushels,	99 50
Beet greens, 70 bushels,	70 00
Spinach, 24 bushels,	24 00
Cabbage, 3,400 heads,	68 00
Currants, 18½ bushels,	55 50
Apples, 748 barrels,	2,057 00
Pears, 24½ bushels,	18 37
Quinces, 8½ bushels,	18 75
Beef, 17,231 pounds,	1,021 02
Veal (raised here), 978 pounds,	98 30
Pork, 25,189 pounds,	1,385 39
Pigs sold, 233,	599 75
Pigs, roasting, 8,	16 00
Chickens, 869 pounds,	163 17
Heads and plucks, 11,	11 00
Eggs, 669 dozen,	162 70
Milk (grass-fed), 9,350 gallons,	2,243 42
Cider, 50 barrels,	197 00
Calf-skins, 11,	6 00
Young calves sold, 11,	32 00
Wood, 60 cords,	180 00
Ensilage, 125 tons,	312 50
Celery, 600 heads,	25 00
Posts, 21,	2 62
Lumber, 3,040 feet,	45 60

Husks (corn), 1 ton,	\$12 00
Ice, 200 tons,	400 00
Rye, 80 bushels,	48 00
Grapes, 1 bushel,	2 00
Citron, 250 pounds,	5 00
	<hr/>
	\$18,003 91

HOW THE HOSPITAL IS SUPPORTED.

The following financial exposition is the same that was published in the annual report of 1888-89, with the exception of changes necessary for its adaptation to present circumstances.

Although a State institution, this hospital has received no gratuitous assistance from the State since the spring of 1867. Since that time it has relied for its income solely upon the products of its farm, the board bills of its patients, and the small sum of \$10 each for the funeral expenses of State patients who die in the hospital, and whose remains are not removed for burial. The receipts from the last-mentioned source during the year were \$20.

For the entire support of State patients, including clothing and all loss from breakage and other kinds of destruction, the hospital received \$3.50 each per week from the treasury of the Commonwealth, from April 1, 1870, to April 1, 1879. For one year after the latter date it received but \$3 each per week; and since April 1, 1880, it has received \$3.25 each per week. This is a compensation fixed by the statute law. One hundred and six, or more than one-fifth, of the inmates now belong to this class. During the past year the weekly average of them was 20.59 per cent. of the whole. For town patients it has received, and now receives, from the treasuries of the towns, respectively, in which these patients have legal settlements, the same sum per week (\$3.25 each) as from the State treasury for State patients.

Formerly the towns clothed their patients and remunerated the hospital for damages done by them, but have not done so since April 1, 1888. Three hundred and eighteen of the inmates are now in this class. The weekly average of them for the year was 66.11 per cent. of the whole.

For private patients there is no uniform price. The average pay from all who were here Sept. 30, 1890, was \$4.905 each per week. Clothing and damages are extra charges. The weekly average of these patients during the past year was a fraction over 13.19 per cent. of the whole. The average weekly pay per capita, charged by the hospital for all of its patients, State, town and private, in the course of the year, is \$3.487.

Such are the pecuniary resources of the institution. We turn to the results of the finances of the last twenty-five years. In April, 1865, the hospital was freed from debt. The financial statement at the close of that month showed a balance of \$302.04 in its favor. Between that time and the 1st of June, 1867, it received a direct bonus from the State of \$5,000 in two appropriations, for specific purposes,—one of \$2,000 and the other of \$3,000.

As an offset to the \$5,000 bonus, the hospital has purchased and paid for several lots of land, amounting to nearly 302 acres, together with five dwelling-houses. The total cost of this real estate was \$39,205.52. The State has, then, in this way alone, been overpaid for its bonus in the sum of \$34,205.52. The amount paid by the hospital for repairs and improvements in the course of the last year is \$5,417.15; in the course of the twenty-five years from Sept. 30, 1865, to Sept. 30, 1890, it is \$279,128.42. The surplus of cash assets now on hand is \$39,512.69, or \$39,210.65 larger than it was on the 30th of April, 1865.

The purchased provisions and supplies, including fuel and stored clothing now on hand, are estimated to have cost \$17,146.18. The estimated value of similar supplies on the 30th of April, 1865, was \$2,500. The increase of assets under this head is, therefore, \$14,646.18. The value of household furniture in the hospital is, at a low estimate, at least \$10,000 greater than it was on the 30th of April, 1865, at the same rate or standard of appraisal. To be certain, however, of no exaggeration, let it be called \$8,000. Collecting these several sums, the account of debit of the Commonwealth to the hospital appears to be as follows:—

Excess of cost of land over direct bonus,	\$34,205 52
Repairs and improvements,	279,128 42
Excess of present cash assets,	39,210 65
Increase of provisions and supplies,	14,646 18
Increase of furniture,	8,000 00
<hr/>	
Total,	\$375,190 77

The necessary current repairs of the building may be estimated at \$3,000 annually. Deducting this sum for each of the twenty-five years since Sept. 30, 1865, a total of \$75,000, there is a remainder of \$300,190.77. To this amount, then, has the hospital assisted itself to things, for most of which it is generally expected that such institutions will rely on direct appropriations from the treasury of the Commonwealth.

In the preparation of this summary we have taken into account only the actual disbursements of money by the hospital in contributing to its own improvements. But, aside from this, a large amount of work in effecting those improvements was performed by the teams of horses and cattle belonging to the institution, and by the regular corps of its employees. Agreeably to all correct business principles, as well as to the custom at some similar institutions, the hospital should be accredited with the amount of the value of this labor, but no credit has ever been given for it. Many thousands of dollars might in this direction be justly added to the sum above mentioned, as the product of the efforts of the hospital in the promotion of its own material progress.

In connection with the above exposition, it may be interesting to know to what extent the tax payers of the State have contributed to the institution. From a list furnished by the State treasurer, of all the appropriations made, either for the construction, the repairs or the improvements of the hospital, I find that, from the time of the passage of the act authorizing its erection down to the present day, it has cost the people of the Commonwealth only \$375,550.

HOSPITAL TREATMENT.

The man who lives beyond his income soon becomes bankrupt; so the man who expends his strength and vitality faster than he lays it up in store soon fails in health, physically and often mentally. It becomes an important question, then, in the treatment of insanity as well as in other disorders, how to preserve and restore the normal balance between the outgoing and incoming energies of the body. We cannot expect to overcome at once the morbid tendencies which are the result of unfavorable influences extending back through generations. We may not restore to soundness the organs which are structurally diseased, but we can, and often do, bring about more healthful conditions, and place the patient on the road to recovery.

The medical service in a hospital has special advantages, inasmuch as the patient is under the direct supervision of the physician. Any case of illness may receive immediate and as frequent attention as the conditions demand. The administration of medicine is under his complete control. He can regulate the surroundings of the patient as to sanitary condition, diet, nursing, exercise and occupation. The abridgment of personal liberty brings a very strong influence to bear upon the patient. The regularity of hospital life and discipline and restraint are often serviceable in correcting those eccentricities and peculiarities which the insane are so liable to fall into, and lead to the formation of habits which are necessary to physical and mental health.

The opprobrium of hospital treatment is the small percentage of cures which are effected. It is unquestionably true that in the light of present medical knowledge a large proportion of the cases admitted to the hospitals are incurable when admitted. The entrance to the hospital is often the last resort, after all other known means of cure are exhausted. When the best efforts of medical skill have failed, and when the round of moral treatment has lost its charm, the patient comes to the hospital for help. Can it be wondered at that the last experiment so often fails? Yet statistics and experience show that the conditions of hospital life are peculiarly efficacious in benefiting and restoring to

health thousands of cases which come under its supervision and care, and upon this must we rely until science shows us a better way.

ACKNOWLEDGMENTS.

The hospital is indebted to Mr. S. E. Bridgman, to Mrs. D. D. Gorham and to Miss Florence Austin for contributions of magazines and papers; to Mrs. S. M. Butler and Mrs. S. A. Woodworth for numerous gifts to patients; to the "N. E. Staaten Zeitung" for two copies of their paper during the year, and the "Christian Register" for one copy. Miss Herrick and Miss and Messrs. Kidder have favored the hospital with several concerts. Mr. Leitch gave a lecture illustrated with the stereopticon, and Dr. T. W. Meekins a series of stereopticon exhibitions during the winter. Many others contributed reading matter at various times.

CONCLUSION.

Mr. F. J. Rice, who had been steward of the institution for over thirty years, and who had always been a faithful and efficient officer, was removed by death. Mr. T. C. Powers succeeded him in this position.

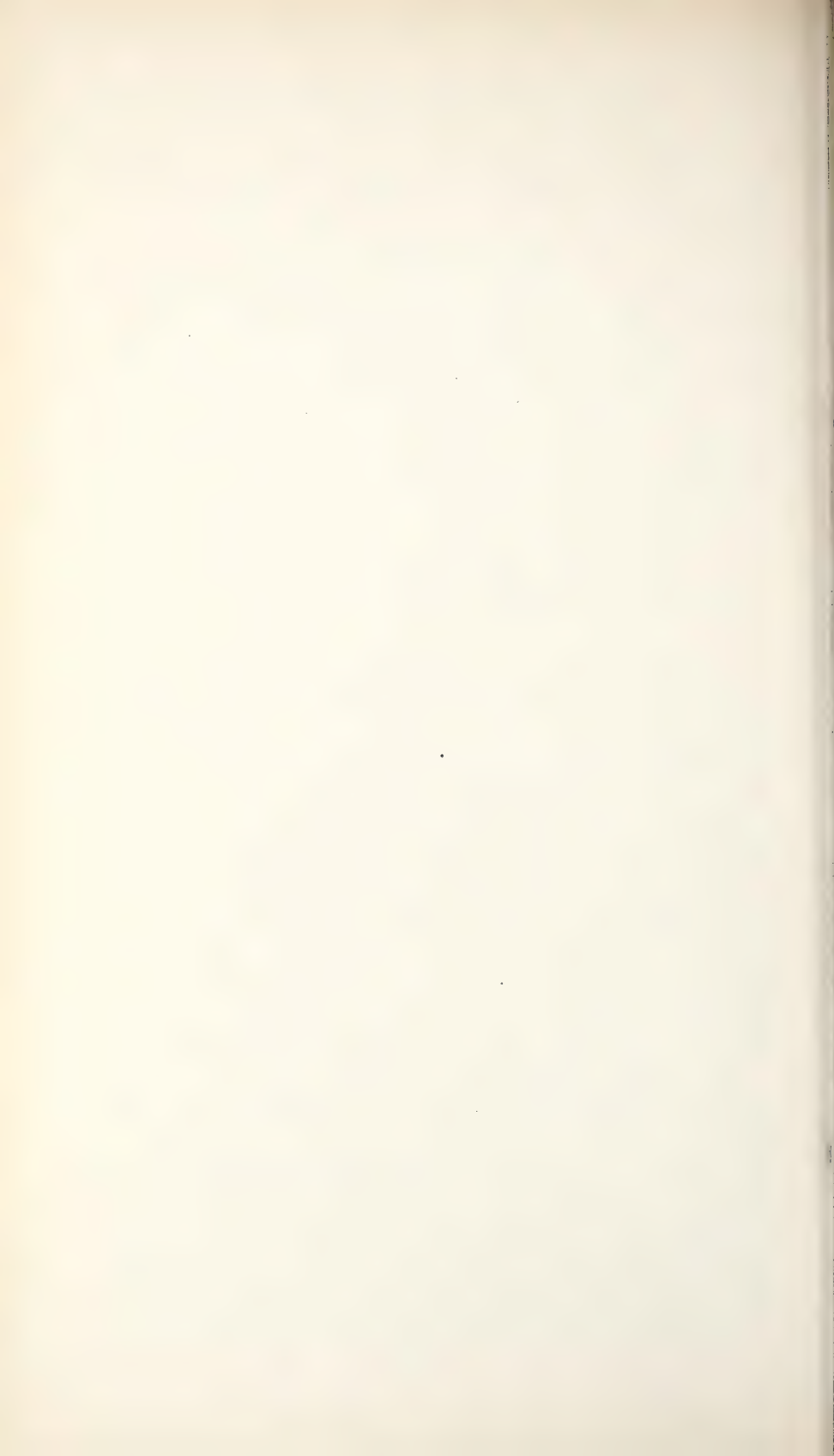
No other change has occurred among the subordinate officers. Four attendants were discharged for neglect of duty or for disobedience of the rules of the institution.

To the officers who are associated with me in the management of the hospital, I can only express my gratitude for their uniform manifestation of interest in the welfare of the institution, and their helpful aid in the work of the year. The same credit is due to many others whose long-continued term of service here is the best evidence of their efficiency.

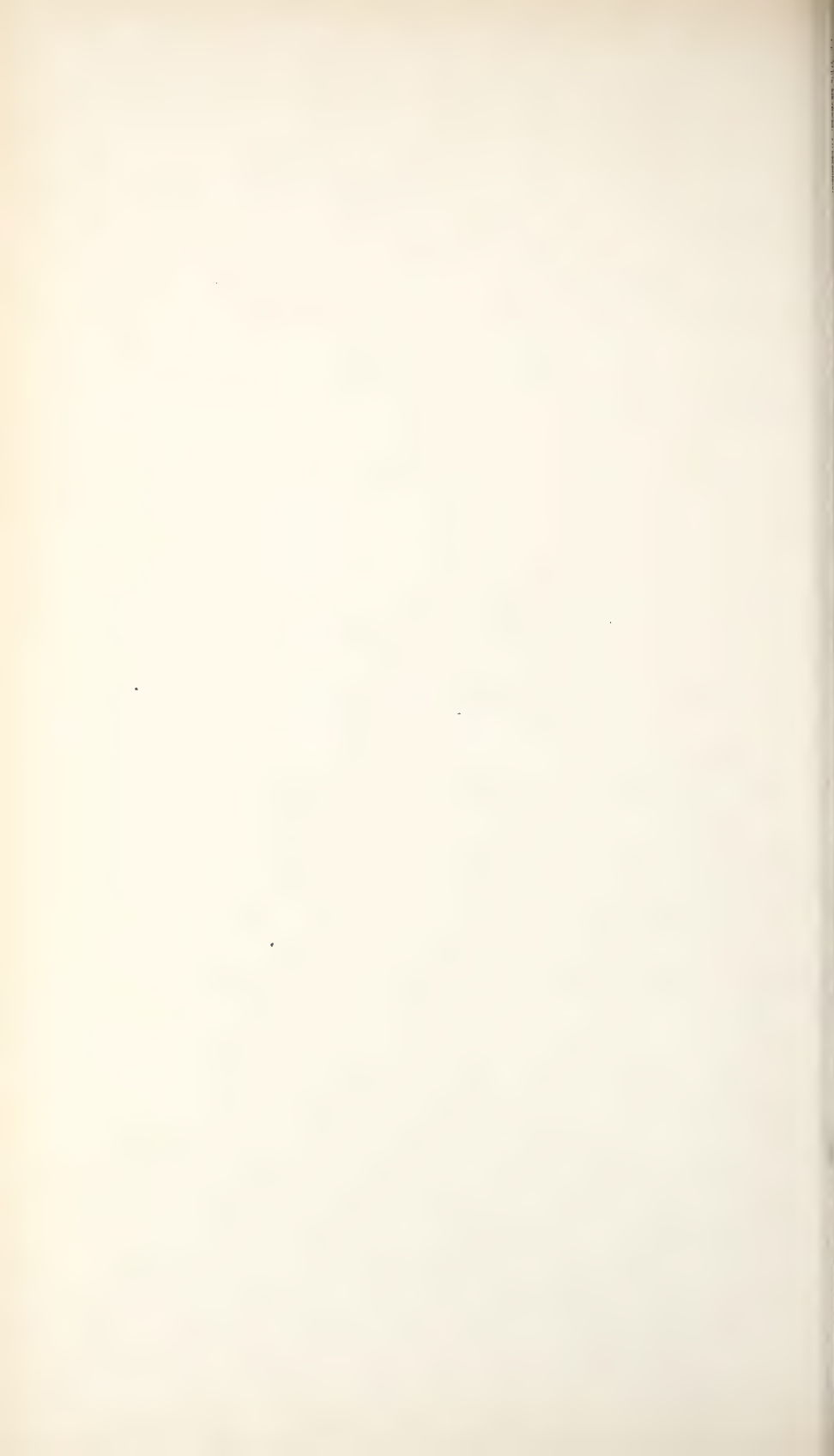
With sincere thanks for the cordial support, aid and counsel of your Board, this report is respectfully submitted.

EDWARD B. NIMS,

Superintendent.



APPENDIX.



** 2. Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES (including Deaths).			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
1889.									
October, . . .	5	6	11	5	5	10	213.52	227.09	440.61
November, . . .	7	9	16	4	5	9	217.33	233.	450.33
December, . . .	12	5	17	5	4	9	225.42	235.03	460.45
1890.									
January, . . .	6	8	14	2	4	6	228.87	236.19	465.06
February, . . .	9	8	17	6	2	8	233.07	239.54	472.61
March, . . .	6	8	14	6	6	12	233.71	247.52	481.23
April, . . .	7	2	9	7	6	13	234.166	246.166	480.33
May, . . .	7	6	13	9	4	13	231.52	244.16	475.68
June, . . .	5	7	12	8	5	13	229.266	244.666	473.93
July, . . .	7	9	16	6	7	13	228.52	249.13	477.65
August, . . .	7	5	12	4	4	8	231.838	249.225	481.06
September, . . .	13	6	19	3	4	7	236.37	251.3	487.67
Total of cases, .	91	79	170	65	56	121	-	-	-
Total of persons, .	89	79	168	64	56	120	-	-	-
Daily average for the year, .	-	-	-	-	-	-	228.58	241.92	†470.5

* For Table No. 1, see the beginning of the superintendent's report.

† These totals are obtained by a division of the sums of daily residence for the year by 365, the number of days in the year.

3. Received on First and Subsequent Admissions.

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	75	59	134	-	-	-
Second,	12	14	26	4	3	7
Third,	2	3	5	1	3	4
Fourth,	1	2	3	2	6	8
Fifth,	-	1	1	-	3	3
Fifteenth,	1	-	1	4	-	4
Total of cases, . . .	91	79	170	11	15	26
Total of persons, . . .	90	79	169	8	8	16

4. *Ages of Persons admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	—	—	—	—	—	—
Fifteen years and less,	3	2	5	—	—	—
From 15 to 20 years,	—	1	1	1	—	1
20 to 25 years,	9	9	18	7	10	17
25 to 30 years,	8	6	14	15	9	24
30 to 35 years,	7	6	13	10	6	16
35 to 40 years,	7	8	15	13	4	17
40 to 50 years,	11	9	20	11	12	23
50 to 60 years,	6	6	12	12	9	21
60 to 70 years,	2	3	5	2	4	6
70 to 80 years,	2	1	3	3	3	6
Over 80 years,	1	2	3	1	2	3
Not insane,	1	1	2	—	—	—
Unknown,	18	5	23	—	—	—
Total of persons,	75	59	134	75	59	134

5. *Parentage of Persons admitted.*

PLACES OF NATIVITY.	MALES.		FEMALES.		TOTALS.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine,	—	1	1	—	1	1
New Hampshire,	—	1	1	1	1	2
Vermont,	5	5	2	1	7	6
Massachusetts,	27	22	17	19	44	41
Connecticut,	5	7	1	2	6	9
New York,	1	4	7	7	8	11
Pennsylvania,	—	1	—	—	—	1
New Jersey,	1	—	—	—	1	—
Indiana,	—	1	—	—	—	1
Michigan,	1	—	—	—	1	—
Kentucky,	1	1	—	—	1	1
Canada,	4	3	5	5	9	8
England,	6	3	—	2	6	5
Ireland,	27	30	35	34	62	64
Scotland,	1	1	—	—	1	1
Germany,	2	2	5	3	7	5
Austria,	1	1	—	—	1	1
Holland,	—	—	—	1	—	1
Bohemia,	—	—	1	1	1	1
Poland,	1	1	—	—	1	1
Unknown,	6	5	4	3	10	8
Total of persons,	89	89	79	79	168	168

6. *Residence of Persons admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	20	21	41
Hampden County,	40	29	69
Berkshire County,	20	20	40
Franklin County,	8	9	17
Suffolk County,	1	—	1
Total of persons,	89	79	168
Cities and large towns,	58	45	103
Country districts,	31	34	65
Total of persons,	89	79	168

7. *Civil Condition of Persons admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.			UNKNOWN.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . . .	35	25	60	32	23	55	7	11	18	—	1	1	1	—	1
Second, . .	4	8	12	5	3	8	2	2	4	—	—	—	—	—	—
Third, . . .	—	1	1	1	1	2	—	1	1	—	—	—	—	—	—
Fourth, . .	—	—	—	1	1	2	—	1	1	—	—	—	—	—	—
Fifth, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Fifteenth, .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Total of persons, .	40	35	75	39	28	67	9	15	24	—	1	1	1	—	1

8. *Occupations of Persons admitted.*

OCCUPATIONS.	Males.	OCCUPATIONS.	Females.
Laborers,	31	Housekeepers,	5
Carpenters,	2	Carpenter's wife,	4
Mechanics,	4	Whip maker's wife,	1
Coal dealer,	1	Cigar maker's wife,	1
Paper maker,	1	Store keeper,	1
Watchman,	1	Teachers,	2
Mill operatives,	3	Clerk's wife,	1
Hostler,	1	Waiter,	1
Farmers,	12	Mill operatives,	9
Cigar makers,	2	Machinist's wife,	1
Shoemakers,	3	Mechanic's wife,	2
Tailor,	1	Laborer's wife,	5
Machinists,	2	Weaver's wife,	3
Cutler,	1	Farmer's wife,	1
Draughtsman,	1	Stone mason's wife,	1
Clerks,	2	Painter's wife,	1
Book-keepers,	2	Merchant's wife,	2
Bottler,	1	Plumber's wife,	1
Painter,	1	Railroad employee's wife,	1
Foundryman,	1	Operative's wife,	1
Blacksmiths,	3	Domestics,	17
Lumber dealer,	1	Canvasser,	1
Theatrical manager,	1	None,	16
Salesman,	1	Unknown,	1
Steam fitter,	1		
Wood worker,	1		
Teamster,	1		
Commercial traveller,	1		
Physician,	1		
Confectioner,	1		
Tramp,	1		
None,	3		
Total of persons,	89	Total of persons,	79

9. *Reported Duration of Insanity before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO THIS HOSPITAL.			ALL OTHER AD- MISSIONS.*			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	—	—	—	—	—	—	—	—	—
Under 1 month, . . .	16	11	27	—	—	—	16	11	27
From 1 to 3 months, . .	4	6	10	2	—	2	6	6	12
3 to 6 months, . .	8	6	14	2	—	2	10	6	16
6 to 12 months, . .	4	5	9	—	1	1	4	6	10
1 to 2 years, . . .	6	11	17	2	5	7	8	16	24
2 to 5 years, . . .	9	6	15	2	5	7	11	11	22
5 to 10 years, . . .	6	3	9	5	5	10	11	8	19
10 to 20 years, . .	3	5	8	3	3	6	6	8	14
Over 20 years,	1	2	3	—	1	1	1	3	4
Not insane,	1	1	2	—	—	—	1	1	2
Unknown,	17	3	20	—	—	—	17	3	20
Total of cases, . . .	75	59	134	16	20	36	91	79	170
Total of persons, . .	75	59	134	14	20	34	89	79	168
Average of known cases (in years),	2	$3\frac{1}{55}$	$2\frac{1}{2}$	$5\frac{61}{96}$	$5\frac{9}{10}$	$5\frac{7}{9}$	$2\frac{53}{73}$	$3\frac{59}{75}$	$3\frac{11}{37}$

* In this division of the table, the whole period of time, from the first attack to the last admission, is indicated.

10. *Form of Disease in the Cases admitted.*

FORM OF DISEASE.	Males.	Females.	Totals.
Epilepsy,	8	3	11
Paresis,	7	1	8
Mania,	—	—	—
acute,	14	12	26
chronic,	12	12	24
recurrent,	3	1	4
puerperal,	—	5	5
senile,	—	3	3
<i>a potu</i> ,	2	—	2
toxic,	10	3	13
Melancholia, acute,	12	10	22
chronic,	3	6	9
senile,	—	1	1
recurrent,	—	1	1
puerperal,	—	2	2
Dementia,	2	—	2
primary,	3	4	7
secondary,	1	8	9
senile,	5	1	6
Delusional,	1	3	4
primary,	1	—	1
Dipsomania,	3	—	3
Inebriate,	1	—	1
Congenital mental deficiency,	1	1	2
Opium habit,	—	1	1
Morphine habit,	1	—	1
Not insane,	1	1	2
Total of cases,	91	79	170
Total of persons,	89	79	168

11. *Probable Causes of Insanity in Persons admitted.*

CAUSES.	Males.	Females.	Totals.
<i>Physical.</i>			
Congenital,	—	1	1
Ill health,	3	6	9
Debility,	—	1	1
Epilepsy,	5	3	8
Softening of the brain,	1	—	1
Puerperal,	—	6	6
Child-birth,	—	2	2
Change of life,	—	4	4
Disordered menstruation,	—	1	1
Heredity,	5	4	9
Heredity and nervous prostration,	—	1	1
Intemperance,	19	3	22
Intemperance and injury to head,	1	—	1
Dissipation,	1	2	3
Dipsomania,	1	—	1
Masturbation,	1	—	1
Masturbation and tobacco,	1	—	1
Injury to head,	3	—	3
Sunstroke,	2	—	2
Old age,	3	3	6
Old age and heredity,	—	1	1
Malaria,	1	1	2
Hysteria,	—	1	1
Overwork,	1	—	1
Overwork and ill health,	2	—	2
Grief and ill health,	1	—	1
Bright's disease,	1	—	1
Disappointment and overwork,	1	—	1
Opium habit,	—	1	1
Morphine habit,	1	—	1
Sickness,	—	3	3
<i>Mental.</i>			
Domestic trouble,	—	1	1
Business trouble,	1	—	1
Worry,	2	1	3
Anxiety and worry,	1	—	1
Loss of friends,	—	1	1
Grief,	1	—	1
Disappointment,	—	2	2
Religious excitement,	1	3	4
Over study,	—	1	1
Total of mental,	6	9	15
Total of physical,	54	44	98
Not insane,	1	1	2
Unknown,	28	25	53
Total of persons,	89	79	168

12. Relations to Hospitals of Persons admitted.

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital,	67	54	121
Former inmates of this hospital,	14	19	33
Former inmates of other hospitals in this State,	4	—	4
Former inmates of this hospital and other hospitals in this State,	—	1	1
Former inmates of hospitals in other States,	3	5	8
Former inmates of this hospital and of hospitals in other States,	1	—	1
Total of persons,	89	79	168

13. Discharges, classified by Admission and Result.

ADMISSION.	NOT INSANE.			RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	1	2	3	16	13	29	3	5	8	11	15	26	10	5	17	11	8	19	52	48	100
Second,	—	—	—	2	1	3	1	1	2	3	1	4	2	—	2	—	1	1	8	4	12
Third,	—	—	—	—	—	—	—	1	1	2	—	2	—	—	—	—	—	—	2	1	3
Fourth,	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
Fifth,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	1	—	1
Sixth,	—	—	—	—	—	—	1	—	1	—	1	1	—	—	—	—	—	—	1	1	2
Seventh,	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
Fourteenth,	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	1	—	1
Total of cases,	1	2	3	18	14	32	5	9	14	17	17	34	12	5	17	12	9	21	65	56	121
Total of persons,	1	2	3	18	14	32	5	9	14	16	17	33	12	5	17	12	9	21	64	56	120

14. *How Supported.*

	PATIENTS ADMITTED.			WEEKLY AVERAGE OF THE YEAR.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, . .	27	21	48	48.42	48.44	96.86
Town patients, . .	50	43	93	151.46	159.71	311.17
Private patients, .	14	15	29	28.42	33.65	62.07
Total of cases, .	91	79	170	228.3	241.8	470.1*

* This weekly average is .4 less than the daily average, 470.5.

15. *Cases discharged Recovered. — Duration.*

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 month, . .	8	8	16	3	1	4	—	1	1
From 1 to 3 months,	4	1	5	4	3	7	5	2	7
3 to 6 months,	1	1	2	8	5	13	6	2	8
6 to 12 months,	—	1	1	1	5	6	1	6	7
1 to 2 years, .	1	1	2	2	—	2	2	1	3
2 to 5 years, .	2	2	4	—	—	—	1	2	3
5 to 10 years, .	1	—	1	—	—	—	2	—	2
Unknown,	1	—	1	—	—	—	1	—	1
Total of cases, .	18	14	32	18	14	32	18	14	32
Average of known cases (in months), .	11 $\frac{5}{17}$	8 $\frac{3}{14}$	9 $\frac{2}{31}$	4 $\frac{4}{9}$	4 $\frac{2}{7}$	4 $\frac{3}{8}$	15 $\frac{1}{17}$	12 $\frac{1}{2}$	14 $\frac{1}{31}$

16. Cases Resulting in Death. — Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESI- DENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . .	—	—	—	—	—	—	—	—	—
Under 1 month, . .	1	1	2	—	2	2	—	1	1
From 1 to 3 months, .	—	1	1	—	—	—	—	—	—
3 to 6 months, . .	2	—	2	1	2	3	—	—	—
6 to 12 months, . .	—	—	—	—	—	—	—	—	—
1 to 2 years, . . .	3	1	4	4	1	5	1	1	2
2 to 5 years, . . .	1	1	2	5	1	6	5	1	6
5 to 10 years, . . .	1	2	3	1	3	4	2	3	5
10 to 20 years, . .	—	1	1	—	—	—	—	1	1
Over 20 years, . . .	1	2	3	1	—	1	1	2	3
Unknown,	3	—	3	—	—	—	3	—	3
Totals,	12	9	21	12	9	21	12	9	21
Average of known cases (in months), .	48 $\frac{5}{9}$	122 $\frac{7}{9}$	85 $\frac{2}{3}$	51 $\frac{1}{4}$	16 $\frac{4}{9}$	36 $\frac{1}{3}$	79 $\frac{8}{9}$	139 $\frac{2}{9}$	109 $\frac{5}{9}$

17. Cases discharged by Recovery or Death.

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Epilepsy,	—	—	—	1	1	2
Paresis,	—	—	—	3	—	3
Mania, acute,	5	6	11	—	1	1
chronic,	—	1	1	3	4	7
senile,	—	—	—	1	—	1
puerperal,	—	2	2	—	—	—
toxic,	5	1	6	—	—	—
<i>a potu</i> ,	1	—	1	—	—	—
Melancholia, acute, .	2	2	4	—	—	—
chronic,	—	1	1	—	—	—
Dementia, primary, .	2	—	2	1	1	2
secondary,	—	—	—	3	2	5
senile,	—	—	—	—	—	—
Dipsomania,	2	1	3	—	—	—
Inebriate,	1	—	1	—	—	—
Totals,	18	14	32	12	9	21

18. *Causes of Death.*

CAUSES.	Males.	Females.	Totals.
Nervous system : —			
Chronic brain disease,	2	1	3
Exhaustion of acute mania,	—	1	1
Exhaustion of chronic mania,	1	1	2
Exhaustion of senile mania,	1	—	1
Paralysis,	1	—	1
Paresis,	3	—	3
Apoplexy,	1	1	2
Epilepsy,	—	1	1
Respiratory : —			
Phthisis,	—	2	2
Pneumonia,	1	—	1
General : —			
Bright's disease,	2	—	2
Cancer,	—	1	1
Old age,	—	1	1
Totals,	12	9	21

19. Deaths, classified by Results of Previous Admissions.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	1	—	1	—	—	—	—	1	1	—	—	—	1	1	2
Second,	—	—	—	—	—	—	1	—	1	—	—	—	1	—	1
Third,	—	—	—	—	—	—	—	—	—	1	—	1	1	—	1
Fourth,	—	—	—	—	—	—	—	—	—	1	—	1	1	—	1
Total of cases, . .	1	—	1	—	—	—	1	1	2	2	—	—	4	1	5
Total of persons, .	1	—	1	—	—	—	1	1	2	1	—	—	1	1	2

20. Recoveries, classified by Results of Previous Admissions.

NUMBER OF THE ADMIS- SION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	2	-	2	-	-	-	-	1	1	-	-	-	2	1	3
Total of cases, . .	2	-	2	-	-	-	-	1	1	-	-	-	2	1	3
Total of persons, .	2	-	2	-	-	-	-	1	1	-	-	-	2	1	3

21. *Deaths, classified by Duration of Insanity and of Treatment.*

PERIOD.	DURATION OF INSANITY FROM FIRST ATTACK.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	—	—	—	—	—	—
Under 1 month,	—	1	1	—	2	2
From 1 to 3 months,	—	—	—	—	—	—
3 to 6 months,	—	—	—	1	1	2
6 to 12 months,	—	—	—	—	1	1
1 to 2 years,	1	1	2	3	1	4
2 to 5 years,	5	1	6	5	4	9
5 to 10 years,	2	3	5	2	—	2
10 to 20 years,	—	1	1	—	—	—
Over 20 years,	1	2	3	1	—	1
Unknown,	3	—	3	—	—	—
Totals,	12	9	21	12	9	21
Average of known cases (in months),	79 $\frac{8}{9}$	139 $\frac{2}{9}$	109 $\frac{5}{9}$	55 $\frac{5}{12}$	22 $\frac{2}{9}$	41 $\frac{2}{7}$

22. *Ages of Those who Died.*

AGES.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
From 15 to 20 years,	—	1	1	—	—	—
20 to 25 years,	—	1	1	—	—	—
25 to 30 years,	1	2	3	—	1	1
30 to 35 years,	1	—	1	1	1	2
35 to 40 years,	3	—	3	2	—	2
40 to 50 years,	—	2	2	1	1	2
50 to 60 years,	1	2	3	1	4	5
60 to 70 years,	1	—	1	3	1	4
70 to 80 years,	3	—	3	3	—	3
Over 80 years,	—	1	1	1	1	2
Unknown,	2	—	2	—	—	—
Totals,	12	9	21	12	9	21

[illegible]

[illegible]

25. Operations of the Hospital, from the Beginning, in Each Year.

YEARS.	ADMITTED.			DISCHARGED AND DIED.												Whole Number of Cases in the Year.	Number of Patients at End of the Year.												
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.					NOT INSANE.			DIED.								
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			Males.	Females.	Totals.	Males.	Females.	Totals.						
1858,—2 months, . . .	99	129	228	1	1	2	1	1	2	4	9	18	2	2	4	1	1	2	7	7	14	1	1	2	7	12	19	228	220
1858-59, . . .	46	47	93	18	15	33	1	1	2	12	9	21	7	7	14	2	2	4	2	2	4	1	1	2	7	12	19	313	310
1859-60, . . .	73	94	167	19	16	35	1	1	2	12	10	22	2	2	4	2	2	4	7	5	12	1	1	2	9	18	27	398	330
1860-61, . . .	71	53	124	18	17	35	1	1	2	14	14	28	4	4	8	4	4	8	7	7	14	1	1	2	15	15	30	434	332
1861-62, . . .	64	48	112	19	15	34	1	1	2	27	15	42	9	5	14	4	4	8	9	5	14	1	1	2	9	10	19	442	383
1862-63, . . .	70	68	138	12	16	28	1	1	2	16	10	26	4	3	7	4	4	8	3	3	6	1	1	2	19	7	26	470	334
1863-64, . . .	47	45	92	30	19	49	1	1	2	19	15	34	4	4	8	4	4	8	6	5	11	1	1	2	17	24	41	468	352
1864-65, . . .	70	64	134	17	16	33	1	1	2	14	15	29	8	5	13	5	5	10	4	4	8	1	1	2	17	24	41	475	405
1865-66, . . .	75	61	136	16	10	26	1	1	2	12	7	19	5	2	7	5	5	10	2	2	4	1	1	2	18	13	31	488	413
1866-67, . . .	61	77	138	24	18	42	1	1	2	15	13	28	6	7	13	6	7	13	7	7	14	1	1	2	23	18	41	543	421
1867-68, . . .	68	84	152	21	19	40	1	1	2	22	27	49	5	7	12	5	7	12	9	9	18	1	1	2	25	12	37	565	402
1868-69, . . .	84	85	169	31	18	49	1	1	2	23	33	56	20	38	58	20	38	58	26	26	52	1	1	2	22	11	33	590	405
1869-70, . . .	90	112	202	23	27	50	1	1	2	15	43	58	22	34	66	22	34	66	20	34	54	1	1	2	16	12	28	616	405
1870-71, . . .	109	102	211	16	27	43	1	1	2	23	41	64	31	30	61	31	30	61	22	30	52	1	1	2	16	12	28	619	433
1871-72, . . .	101	98	199	25	15	40	1	1	2	33	27	60	22	27	49	22	27	49	20	27	47	1	1	2	19	18	37	614	433
1872-73, . . .	102	79	181	19	29	48	1	1	2	37	22	59	23	29	52	23	29	52	20	23	43	1	1	2	13	8	21	614	476
1873-74, . . .	105	88	193	25	12	37	1	1	2	24	19	43	27	18	45	27	18	45	22	23	45	1	1	2	14	11	25	626	476
1874-75, . . .	75	78	153	16	13	29	1	1	2	21	24	45	17	21	38	17	21	38	14	17	31	1	1	2	23	18	41	629	464
1875-76, . . .	76	77	153	19	13	32	1	1	2	18	31	49	24	23	47	24	23	47	17	24	41	1	1	2	18	19	37	629	475
1876-77, . . .	68	71	139	15	18	33	1	1	2	8	13	21	16	17	32	16	17	32	15	17	32	1	1	2	21	21	42	603	429
1877-78, . . .	40	36	76	7	19	26	1	1	2	17	27	44	15	13	28	15	13	28	16	15	31	1	1	2	14	9	23	551	442
1878-79, . . .	63	43	106	13	13	26	1	1	2	15	13	28	11	3	14	11	3	14	11	11	22	1	1	2	14	9	23	535	442

1879-80,	58	117	16	12	28	5	7	12	11	12	23	9	10	19	2	-	2	17	12	29	559	446
1880-81,	66	123	7	13	20	6	7	13	15	15	30	6	10	16	1	-	1	16	10	26	569	463
1881-82,	62	124	13	15	28	4	9	13	7	14	21	14	13	27	-	1	1	24	14	38	587	459
1882-83,	69	147	11	17	28	9	-	9	18	15	33	21	14	35	1	1	1	17	13	30	606	469
1883-84,	61	135	9	16	25	6	11	17	16	19	35	16	20	36	3	1	1	12	13	25	605	463
1884-85,	66	136	17	12	29	4	5	9	12	17	29	10	16	26	1	2	1	16	11	27	599	476
1885-86,	70	135	10	19	29	8	2	10	23	36	59	20	23	43	1	-	1	14	12	26	659	491
1886-87,	98	183	16	8	24	5	3	8	36	31	67	21	16	37	1	2	3	13	18	31	639	469
1887-88,	72	148	23	13	36	3	6	9	25	22	47	12	17	29	2	-	2	14	17	31	635	481
1888-89,	79	166	27	15	42	6	6	12	25	40	65	35	8	43	2	1	3	18	7	25	636	446
1889-90,	57	155	18	14	32	5	9	14	17	17	34	12	5	17	1	2	3	12	9	21	616	495
1889-90,	79	170	18	14	32	5	9	14	17	17	34	12	5	17	1	2	3	12	9	21	616	495
Totals,	2,473	4,901	570	519	1,089	61	65	126	603	666	1,395	460	456	916	17	15	32	519	455	974	-	-

26. Showing Results of First Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Number of persons on first admission,	—	—	—	2,024	1,997	4,021
Discharged recovered,	458	399	857	—	—	—
improved,	535	612	1,147	—	—	—
unimproved,	387	385	772	—	—	—
not insane,	15	13	28	—	—	—
Died,	449	411	860	—	—	—
Remaining in the hospital Sept. 30, 1890,	180	177	357	2,024	1,997	4,021

Showing Results of Readmissions.

Readmitted,	—	—	—	449	431	880
Discharged recovered,	112	120	232	—	—	—
improved,	129	119	248	—	—	—
unimproved,	73	71	144	—	—	—
not insane,	2	2	4	—	—	—
Died,	70	44	114	—	—	—
Remaining in the hospital Sept. 30, 1890,	63	75	138	449	431	880

Showing Results of Second Admissions.

Second admissions,	—	—	—	318	296	614
Discharged recovered,	80	65	145	—	—	—
improved,	78	81	159	—	—	—
unimproved,	57	52	109	—	—	—
not insane,	1	2	3	—	—	—
Died,	56	37	93	—	—	—
Remaining in the hospital Sept. 30, 1890,	46	59	105	318	296	614

Showing Results of Third Admissions.

Third admissions,	—	—	—	80	62	142
Discharged recovered,	17	24	41	—	—	—
improved,	28	18	46	—	—	—
unimproved,	12	9	21	—	—	—
inebriates,	1	—	1	—	—	—
Died,	11	4	15	—	—	—
Remaining in the hospital Sept. 30, 1890,	11	7	18	80	62	142

Showing Results of Fourth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fourth admissions, . . .	—	—	—	22	31	53
Discharged recovered, . . .	7	8	15	—	—	—
improved, . . .	7	11	18	—	—	—
unimproved, . . .	2	4	6	—	—	—
Died,	2	2	4	—	—	—
Remaining in the hospital Sept. 30, 1890,	4	6	10	—	—	—

Showing Results of Fifth Admissions.

Fifth admissions,	—	—	—	10	14	24
Discharged recovered, . . .	4	7	11	—	—	—
improved,	4	4	8	—	—	—
unimproved,	—	2	2	—	—	—
Died,	1	—	1	—	—	—
Remaining in the hospital Sept. 30, 1890,	1	1	2	10	14	24

Showing Results of Sixth Admissions.

Sixth admissions,	—	—	—	7	10	17
Discharged recovered, . . .	2	5	7	—	—	—
improved,	3	3	6	—	—	—
unimproved,	2	2	4	7	10	17

Showing Results of Seventh Admissions.

Seventh admissions,	—	—	—	3	5	8
Discharged recovered, . . .	1	3	4	—	—	—
improved,	2	—	2	—	—	—
unimproved,	—	1	1	—	—	—
Died,	—	1	1	3	5	8

Showing Results of Eighth Admissions.

Eighth admissions,	—	—	—	2	3	5
Discharged recovered, . . .	1	2	3	—	—	—
improved,	1	—	1	—	—	—
unimproved,	—	1	1	2	3	5

Showing Results of Ninth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Ninth admissions, . . .	-	-	-	1	2	3
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	-	-	-
Remaining in the hospital Sept. 30, 1890, . . .	-	1	1	1	2	3

Showing Results of Tenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Tenth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing Results of Eleventh Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Eleventh admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing Results of Twelfth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Twelfth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing Results of Thirteenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Thirteenth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing Results of Fourteenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fourteenth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing Results of Fifteenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteenth admissions, . . .	-	-	-	1	1	2
Discharged improved, . . .	-	1	1	-	-	-
Remaining in the hospital Sept. 30, 1890,	1	-	1	1	1	2

Showing Results of Sixteenth Admissions.

Sixteenth admissions, . . .	-	-	-	-	1	1
Discharged improved, . . .	-	1	1	-	1	1

Showing Results of Seventeenth Admissions.

Seventeenth admissions, . . .	-	-	-	-	1	1
Remaining in the hospital Sept. 30, 1890,	-	1	1	-	1	1

27. *Classed Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65,	225.10	48.16	69.83	343.25
1865-66,	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67,	261.96	49.46	89.75	401.17
1867-68,	262.65	47.92	103.06	413.63
1868-69,	248.52	54.98	101.46	404.96
1869-70,	236.19	65.04	107.23	408.46
1870-71,	234.10	77.07	118.38	429.55
1871-72,	226.96	89.57	112.27	428.80
1872-73,	248.02	99.23	90.00	437.25
1873-74,	284.48	102.88	82.06	469.42
1874-75,	274.35	128.34	72.46	475.15
1875-76,	259.19	146.02	68.94	474.15
1876-77,	254.84	161.58	60.02	476.44
1877-78,	211.90	175.71	54.75	442.36
1878-79,	200.34	182.29	54.23	436.86
1879-80,	197.03	198.01	54.46	450.50
1880-81,	180.82	214.15	57.19	452.15
1881-82,	166.84	238.25	56.52	461.61
1882-83,	161.62	247.63	57.58	466.83
1883-84,	155.10	251.23	56.06	462.39
1884-85,	154.44	261.58	59.82	475.84
1885-86,	140.23	270.52	63.61	474.36
1886-87,	122.78	289.38	66.00	478.16
1887-88,	112.17	294.01	64.01	470.19
1888-89,	104.67	303.01	61.31	468.99
1889-90,	96.86	311.17	62.07	470.10

28. *Monthly Consumption of Gas.*

MONTHS.	Cubic Feet.	Daily Average.
1889.		
October,	51,100	1,648.39
November,	57,800	1,923.33
December,	71,400	2,303.22
1890.		
January,	60,400	1,948.38
February,	50,400	1,800.00
March,	47,100	1,519.35
April,	35,300	1,176.67
May,	26,400	851.61
June,	21,000	700.00
July,	20,750	669.35
August,	25,700	829.03
September,	38,700	1,290.00
Total,	506,050	16,659.33

29. Supplies for the Several Departments for the Year 1889-90.

	Sheets.	Pillow Cases.	Bed Spreads.	Blankets.	Bed Ticks.	Towels.	Curtains.	Wash Bowls.	Ewers.	Chambers.	Mirrors.	Hair Brushes.	Combs.	Carpet Strips.	Plates.	Cups.	Saucers.	Tumblers.	Mugs.	Bowls.	Pitchers.	Syrup Cups.	Knives.	Forks.	Lanterns.	Scissors.	Clothes Bags.	Pillow Ticks.
<i>Men's Department.</i>																												
Upper 1st Hall, . . .	30	38	16	12	4	12	12	2	2	4	1	1	3	11	6	18	18	18	1	2	2	1	1	1	1	1	1	1
2d Hall, . . .	32	44	12	12	12	6	6	1	1	12	2	2	2	20	12	18	18	18	6	12	3	1	1	1	1	1	1	1
3d and 4th Halls, . . .	28	26	6	6	1	1	1	1	1	8	1	1	2	7	18	6	12	12	1	1	1	5	2	2	6	1	1	1
Middle 1st Hall, . . .	24	26	8	6	1	6	6	1	1	19	1	1	3	1	30	18	24	24	6	6	4	1	2	2	1	1	1	1
2d Hall, . . .	36	48	6	6	1	6	6	1	1	32	1	1	5	6	6	12	6	12	1	1	3	1	2	2	1	1	1	1
3d and 4th Halls, . . .	48	48	20	20	4	4	4	1	1	31	1	1	1	6	6	18	18	18	1	1	4	1	1	1	1	1	1	1
Lower 1st Hall, . . .	36	36	6	6	1	6	6	1	1	4	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1
2d Hall, . . .	48	12	8	8	1	4	3	1	1	31	1	1	1	6	6	18	18	18	1	1	1	1	1	1	1	1	1	1
3d and 4th Halls, . . .	36	30	6	26	1	1	1	1	1	4	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Women's Department.</i>																												
Upper 1st Hall, . . .	27	39	6	7	5	90	12	3	3	6	1	1	2	1	12	12	12	30	1	2	2	1	1	1	1	1	1	1
2d Hall, . . .	12	12	13	1	2	12	16	1	1	12	1	1	7	2	1	1	12	24	2	2	1	1	1	1	1	1	1	1
3d Hall, . . .	18	18	6	12	5	6	6	1	1	3	1	1	10	1	30	24	24	6	24	18	6	1	1	1	1	1	1	1
4th Hall, . . .	4	16	12	12	1	24	12	2	3	6	1	1	10	6	18	12	12	18	6	6	3	1	1	1	1	1	1	1
Middle 1st Hall, . . .	60	18	18	18	1	18	6	1	2	42	1	1	20	4	12	6	18	12	6	24	6	4	2	2	1	1	1	1
2d Hall, . . .	48	30	12	12	3	30	16	1	1	18	2	1	19	1	12	24	24	24	30	6	3	1	2	2	1	1	1	1
3d Hall, . . .	36	28	6	6	3	24	6	1	1	6	1	1	28	6	12	24	24	12	12	6	3	1	1	1	1	1	1	1
4th Hall, . . .	12	40	8	6	16	16	8	1	2	18	1	1	37	3	6	6	1	12	12	1	1	1	1	1	1	1	1	1
Lower 1st Hall, . . .	68	54	11	12	1	78	9	1	1	6	1	1	27	6	20	36	24	12	1	1	8	1	1	1	1	1	1	1
2d Hall, . . .	60	16	8	12	1	18	10	1	1	9	1	1	8	3	20	36	24	12	1	1	2	2	1	1	1	1	1	1
3d Hall, . . .	24	24	1	1	1	30	1	1	1	18	1	1	2	3	96	36	24	84	1	1	8	1	1	1	1	1	1	1
4th Hall, . . .	60	16	1	1	1	47	1	1	1	2	1	1	2	9	96	1	1	1	1	1	2	1	1	1	1	1	1	1
Kitchen, . . .	8	18	6	1	1	27	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Rear, . . .	8	14	2	2	1	27	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Centre, . . .	8	14	2	2	1	27	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Aggregates, . . .	703	603	126	186	24	454	121	10	13	290	13	14	222	84	488	228	252	270	72	103	48	2	25	27	1	1	29	69

29. Supplies for the Several Departments for the Year 1889-90 — Concluded.

	Spoons.	Glass Casters.	Table Spreads.	Napkins.	Tin Plates.	Tin Cups.	Iron Spoons.	Dish Towels.	Rollers.	Wash Basins.	Brooms.	Soap, Pounds.	Whisks.	Dust Brushes.	Scrub Brushes.	Dust Pans.	Mops.	Pails.	Spittoons.	Blacking.	Shoe Brushes.	Spools Thread.	Paper Needles.	Paper Pins.	Rubber Chambers.
<i>Men's Department.</i>																									
Upper 1st Hall,	1	—	2	12	—	—	—	12	6	—	8	44	5	3	3	—	1	1	1	—	7	2	6	—	—
2d Hall,	—	—	2	—	—	—	—	12	24	—	16	52	3	3	2	—	3	3	3	—	8	—	1	—	—
3d and 4th Halls,	12	—	1	—	—	—	—	24	—	1	14	58	3	2	2	—	1	1	1	—	6	—	1	—	—
Middle 1st Hall,	6	—	1	—	—	—	—	12	—	—	9	46	—	2	3	—	2	2	2	—	8	—	1	—	—
2d Hall,	6	—	—	—	—	—	1	18	12	—	11	94	—	4	2	—	2	2	1	—	6	2	2	—	—
3d and 4th Halls,	6	—	—	—	—	—	—	24	6	1	14	90	3	1	3	—	2	2	1	—	13	—	4	—	—
Lower 1st Hall,	—	—	—	—	—	—	—	12	6	—	10	16	—	1	3	—	2	2	1	—	7	—	—	—	—
2d Hall,	—	—	1	—	—	—	—	18	24	1	16	48	4	1	2	—	2	2	1	—	4	—	—	—	—
3d and 4th Halls,	—	—	1	—	—	—	—	—	12	—	13	54	—	2	1	—	—	—	1	—	4	1	—	—	—
<i>Women's Department</i>																									
Upper 1st Hall,	—	—	—	2	—	—	—	6	—	—	12	42	1	2	—	—	1	2	1	—	—	—	3	—	—
2d Hall,	—	—	—	—	—	—	—	—	—	—	18	62	—	1	—	—	1	2	2	—	—	—	15	—	2
3d Hall,	—	—	—	—	—	—	—	—	12	—	11	32	1	2	1	—	1	6	1	—	—	—	12	—	3
4th Hall,	12	—	—	—	6	6	24	24	—	1	8	48	—	2	1	—	2	2	2	—	—	—	10	—	8
Middle 1st Hall,	—	—	1	—	—	6	—	12	—	1	28	62	—	2	2	—	5	2	2	—	—	—	14	—	6
2d Hall,	—	—	4	—	—	—	12	12	—	—	18	78	—	1	2	—	5	2	2	—	—	—	13	—	9
3d Hall,	—	—	—	—	6	6	36	6	—	—	26	66	—	1	2	—	5	2	2	—	—	—	14	—	2
4th Hall,	6	—	—	—	—	18	—	—	—	—	18	78	—	1	2	—	5	2	2	—	—	—	13	—	14
Lower 1st Hall,	—	—	2	—	—	—	—	12	6	—	18	66	—	2	2	—	8	3	3	—	—	—	17	—	7
2d Hall,	12	—	—	—	—	—	12	—	—	—	21	76	—	1	—	—	5	3	3	—	—	—	14	—	4
3d Hall,	12	—	—	—	—	—	—	—	—	—	13	44	—	—	—	—	3	3	2	—	—	—	14	—	16
4th Hall,	—	—	4	—	—	—	—	—	—	—	4	18½	—	—	—	—	3	3	1	—	—	—	14	—	3
Kitchen,	—	—	—	—	—	—	—	—	—	—	67	96	4	1	—	—	1	1	1	—	—	—	10	—	1
Rear,	—	—	4	—	—	24	—	24	—	—	92	146	3	3	3	—	2	1	9	—	—	—	—	—	7
Centre,	—	—	2	—	—	—	—	—	16	—	6	63	4	4	2	—	3	3	2	—	1	—	—	—	17
Aggregates,	72	—	24	14	42	72	85	256	166	5	471	1,487½	32	37	27	18	72	43	7	75	7	159	33	120	—

30. Days' Work by Patients.

MONTHS.	FARM.	KITCHEN.			SEWING- ROOM.	LAUNDRY.		
	Men.	Men.	Women.	Totals.	Women.	Men.	Women.	Totals.
1889.								
October, .	674	93	186	279	282	50	364	414
November, .	616	120	173	293	223	54	355	409
December, .	563	124	171	295	252	52	355	407
1890.								
January, .	564	124	191	315	254	54	374	428
February, .	607	112	167	279	225	48	319	367
March, .	534	124	181	305	263	52	333	385
April, .	909	120	145	265	260	52	359	411
May, .	871	124	142	266	291	54	359	413
June, .	820	120	148	268	231	50	315	365
July, .	845	124	167	291	253	54	353	407
August, .	787	124	136	260	251	52	377	429
September, .	804	120	187	307	298	50	386	436
Totals, .	8,594	1,429	1,994	3,423	3,083	622	4,249	4,831

31. List of Articles made in the Sewing-Room.

Dresses,	293	Sheets,	677
Waists,	29	Pillow cases,	507
Chemise,	277	Spreads hemmed,	109
Drawers,	196	Burial robes,	4
Skirts,	170	Bed ticks,	60
Night dresses,	15	Pillow ticks,	66
Hats trimmed,	39	Bolster cases,	34
Caps,	368	Clothes bags,	33
Aprons,	248	Dish towels,	310
Collars,	256	Roller towels,	220
Shirts,	272	Yards carpeting made,	661
Camisoles,	37	Carpet strips hemmed,	76
Suspenders, pairs,	86	Cushions,	4
Table cloths,	21	Dusters,	45
Napkins hemmed,	12	Articles repaired,	26,155
Curtains,	148		

32. Upholstery done in the Year.

Hair mattresses made, new materials,	18
Hair mattresses made, new ticks,	45
Hair mattresses made, old materials,	157
Hair pillows made, new materials,	17
Hair pillows made, new ticks,	25
Hair pillows overhauled, hair repicked,	85

33. Annual Cost of Gas.

YEAR.	Cost of Gas.	Average Number of Patients.	Cost per Patient.
1860-61,	\$2,030 39	314.26	\$6 46
1861-62,	2,085 29	313.80	6 64
1862-63,	2,109 02	355.63	5 93
1863-64,	2,069 79	357.63	5 78
1864-65,	1,653 05	342.40	4 82
1865-66,	1,107 98	376.35	2 94
1866-67,	1,056 16	401.03	2 63
1867-68,	1,022 51	413.41	2 47
1868-69,	903 92	405.10	2 23
1869-70,	915 30	408.83	2 23
1870-71,	1,043 99	421.90	2 47
1871-72,	980 94	428.72	2 28
1872-73,	1,006 61	437.23	2 30
1873-74,	1,066 74	469.54	2 27
1874-75,	1,012 63	475.35	2 13
1875-76,	1,089 82	474.21	2 29
1876-77,	1,033 59	476.16	2 17
1877-78,	1,066 02	442.43	2 41
1878-79,	1,033 05	436.73	2 37
1879-80,	954 00	450.51	2 10
1880-81,	949 65	451.79	2 10
1881-82,	919 13	461.66	2 00
1882-83,	992 10	466.76	2 10
1883-84,	1,031 55	463.05	2 23
1884-85,	912 49	475.94	1 92
1885-86,	882 90	474.40	1 86
1886-87,	854 97	478.54	1 79
1887-88,	901 74	470.25	1 91
1888-89,	955 51	469.10	2 04
1889-90,	977 17	470.50	2 07

34. Trustees of the Northampton Lunatic Hospital.

NAMES.	Residence.	When app'ted.	Service ended.	From What Cause.
Charles E. Forbes,* .	Northampton, . .	1856	1857	Term expired.
Lucien C. Boynton,* .	Uxbridge, . . .	1856	1858	Term expired.
Eliphalet Trask, . .	Springfield, . .	1856	1875	Term expired.
John C. Russell,* . .	Great Barrington, .	1856	1859	Resigned.
Horace Lyman, . . .	Greenfield, . . .	1856	1857	Removed.
Charles Smith, . . .	Northampton, . .	1857	1860	Resigned.
Luther V. Bell,* . .	Somerville, . . .	1857	1859	Resigned.
Zebina L. Raymond,* .	Greenfield, . . .	1858	1859	Resigned.
Franklin Ripley,* . .	Greenfield, . . .	1859	1860	Died in office.
Edward Dickinson,* .	Amherst,	1859	1864	Resigned.
Walter Laflin,* . . .	Pittsfield,	1859	1866	Term expired.
Silas M. Smith,* . . .	Northampton, . .	1860	1863	Term expired
Charles Allen, . . .	Greenfield, . . .	1860	1861	Resigned.
Alfred R. Field,* . .	Greenfield, . . .	1861	1864	Resigned.
Edward Hitchcock, . .	Amherst,	1863	1879	Resigned.
Silas M. Smith,* . . .	Northampton, . .	1864	1887	Died in office.
Edmund H. Sawyer,* .	Easthampton, . .	1864	1879	Died in office.
Henry L. Sabin,* . . .	Williamstown, . .	1866	1876	Term expired.
Adams C. Deane, . . .	Greenfield, . . .	1875	-	Still in office.
Henry W. Taft, . . .	Pittsfield,	1876	-	Still in office.
William M. Gaylord, . .	Northampton, . .	1879	1883	Term expired.
Lyman D. James, . . .	Williamsburg, . .	1879	-	Still in office.
Christopher Merritt, . .	Springfield, . . .	1883	1888	Term expired.
Sarah A. Woodworth, . .	Chicopee,	1884	-	Still in office.
Sarah M. Butler, . . .	Northampton, . .	1884	-	Still in office.
John L. Otis,	Florence,	1887	1890	Resigned.
N. A. Leonard,	Springfield, . . .	1888	-	Still in office.
Alvan Barrus,	Goshen,	1890	-	Still in office.

* Deceased.

35. *Officers and Employees.*

Time employed, Oct. 1, 1890.

NAMES.	Years.	Months.	Days.
Edward B. Nims, M.D., superintendent,	21	9	16
John A. Houston, M.D., assistant physician,	1	—	7
Charles M. Holmes, M.D., assistant physician,	1	2	21
Emily F. Wells, M.D., female physician,	5	9	—
Walter B. Welton, clerk,	24	7	16
John Mercier, farmer,	23	2	—
Danford Morse, engineer,	25	6	9
Robert H. Gallivan, supervisor,	17	5	13
Lucy A. Gilbert, supervisor,	23	7	20
Francis A. Thompson, assistant steward,	—	5	10
George B. Walker, baker,	6	3	22
William Rice, assistant baker,	1	3	3
Minnie A. Smith, seamstress,	2	3	27
Lizzie E. Rice, laundress,	1	2	6
Inez M. Field, assistant clerk,	—	9	3
Lucie L. Barrett, assistant supervisor,	4	—	12
Bradamant Fairbanks, assistant seamstress,	1	5	14
Mattie G. Jones, assistant laundress,	1	1	11
Emma Smith, assistant laundress,	1	2	20
Mary Radford, assistant laundress,	—	1	23
Henry W. Estey, attendant,	8	6	7
Thomas Lavelle, attendant,	4	6	23
Anson T. Hale, attendant,	3	5	—
Jeremiah J. Regan, attendant,	1	9	3
Daniel W. Webster, attendant,	1	6	9
James F. Wells, attendant,	1	4	8
Edward N. Aldrich, attendant,	1	2	29
William Duff, attendant,	—	7	—
Rufus H. Cowles, attendant,	—	6	4
Fred S. Peters, attendant,	—	3	7
James Kennedy, attendant,	—	2	14
Harry Dickinson, attendant,	—	2	13
Joseph W. Shaw, attendant,	—	1	26
Jeannette McLean, attendant,	7	1	3
Philomene Goyette, attendant,	7	6	13
Alice A. Hawkes, attendant,	2	9	27
Celeste Goyette, attendant,	5	6	16
Harriet L. Strong, attendant,	2	9	1
Marion Darling, attendant,	1	6	15
Katy A. Cook, attendant,	1	2	5
Mary Sweeney, attendant,	1	1	28
Adeline D. Morgan, attendant,	2	—	12
Flora E. Jones, attendant,	1	2	14
Mary E. McClellan, attendant,	2	2	13
Ellen L. Potter, attendant,	—	9	25
Ida Sloan, attendant,	—	6	—
Hattie LeBaron, attendant,	—	2	2
Lucretia D. Pittsinger, attendant,	—	1	—
Maggie McKenzie, night watch,	—	—	14

35. *Officers and Employees*—Concluded.

NAMES.	Years.	Months.	Days.
Hattie Darling, centre,	3	10	—
Belle Warren, centre,	1	5	6
Ellen Drugg, centre,	—	—	28
Jennie Smith, farmer's dining room,	—	11	—
Mary Mangan, cook,	2	2	5
Alice A. Miller, assistant cook,	1	5	14
Sadie Kellogg, assistant cook,	—	3	24
Nellie O'Leary, assistant cook,	—	2	14
Lillian McLean, assistant cook,	—	—	5
Mercy Ranney, rear,	—	8	17
William C. Hall, assistant engineer,	25	—	20
Nicholas Riel, night engineer,	14	9	25
Moses Bartlett, watchman,	1	6	25
Sifroi Belville, carpenter,	20	5	7
Walter Tower, carpenter,	12	10	—
Alfred Parenteau, painter,	25	1	18
David Mercier, coachman,	13	7	14
Benjamin Rockwell, assistant farmer,	23	4	—
Henry Wilson, assistant farmer,	11	5	8
James Madden, assistant farmer,	15	—	29
Eugene Sullivan, assistant farmer,	15	5	—
George E. Hunter, assistant farmer,	4	5	19
Hermon Miller, assistant farmer,	1	5	14
George W. Braman, assistant farmer,	1	10	8
John Gray, assistant farmer,	1	6	4
James Davidson, assistant farmer,	—	6	2
James Works, assistant farmer,	—	6	—
Alfred Belville, car boy,	—	8	2
George M. Locke, assistant cook,	1	1	7

PUBLIC DOCUMENT No. 21.

THIRTY-SIXTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1891.

BOSTON :
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1892.



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Trans: Northampton State Hospital

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OFFICERS

OF THE

NORTHAMPTON LUNATIC HOSPITAL.

TRUSTEES.

ADAMS C. DEANE, M.D.,	GREENFIELD.
HENRY W. TAFT, Esq.,	.	.	.	.	.	.	PITTSFIELD.
LYMAN D. JAMES, Esq.,	.	.	.	.	.	.	WILLIAMSBURG.
ELISHA MORGAN, Esq.,	.	.	.	.	.	.	SPRINGFIELD.
HON. ALVAN BARRUS,	.	.	.	.	.	.	GOSHEN.
MRS. SARAH A. WOODWORTH,	.	.	.	.	.	.	CHICOPEE.
MRS. SARAH M. BUTLER,	.	.	.	.	.	.	NORTHAMPTON.

RESIDENT OFFICERS.

EDWARD B. NIMS, M.D.,	.	.	.	.	.	.	<i>Superintendent.</i>
JOHN A. HOUSTON, M.D.,	.	.	.	.	.	.	<i>Assistant Physician.</i>
CHARLES M. HOLMES, M.D.,	.	.	.	.	.	.	<i>Assistant Physician.</i>
EMILY F. WELLS, M.D.,	.	.	.	.	.	.	<i>Female Physician.</i>
WALTER B. WELTON,	.	.	.	.	.	.	<i>Clerk.</i>
JOHN MERCIER,	.	.	.	.	.	.	<i>Farmer.</i>
DANFORD MORSE,	.	.	.	.	.	.	<i>Engineer.</i>

TREASURER.

EDWARD B. NIMS,	.	.	.	.	.	.	NORTHAMPTON.
Office at the Hospital.							

SUBORDINATE OFFICERS.

ROBERT H. GALLIVAN,	.	.	.	.	.	.	<i>Male Supervisor.</i>
LUCY A. GILBERT,	.	.	.	.	.	.	<i>Female Supervisor.</i>
THOMAS C. POWERS,	.	.	.	.	.	.	<i>Steward.</i>
MINNIE A. SMITH,	.	.	.	.	.	.	<i>Seamstress.</i>
KATE BARTLETT,	.	.	.	.	.	.	<i>Laundress.</i>
GEORGE B. WALKER,	.	.	.	.	.	.	<i>Baker.</i>

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The report of the Northampton Lunatic Hospital for the official year ending Sept. 30, 1891, is hereby submitted, it being the thirty-sixth annual report. A brief statement of the changes in the population of the hospital for the year is given, together with a summary of the improvements and alterations which have been made.

The number of patients in the hospital Oct. 1, 1890, was 495, of which 243 were men and 252 women. Eighty-two men and 59 women were admitted within the year, a total of 141, making the whole number of cases under treatment 636, — 325 men and 311 women. One hundred men and 83 women were discharged, including 31 deaths, 19 of men and 12 of women. Two hundred and twenty-five men and 228 women (a total of 453) remained in the hospital Sept. 30, 1891. The average daily number for the year was 457. The largest number of patients on any one day was 505, the smallest 441. Of the 152 patients who were discharged, 45 left the hospital as recovered, 14 much improved, 53 improved and 40 unimproved. These figures represent the condition of the patients at the time of leaving the hospital.

Two patients died by their own hands. The circumstances attending each death were such that no blame can be attached to those who had the care of them.

The general condition of the hospital has been satisfactory during the year. No epidemic has prevailed.

At each of the monthly meetings all the halls were visited and carefully inspected; at each meeting a report for the month is presented by the superintendent, giving the numerical changes in population, the name, residence and status of each patient admitted, the name, condition and status of each patient discharged, and the name, cause of death and status of those who have died. All bills are examined, approved and compared with the entries in the cash book. A financial statement is also presented, giving the amount of money on hand, the amount due the hospital, the estimated value of purchased supplies on hand and the liabilities. A record of the improvements made is given, with recommendations for the coming month; also a statement of any accident or any unusual occurrence within the month.

When the hospital was erected, it was found that the accommodations were larger than were required for the western part of the State. Consequently, from the opening of the hospital in the summer of 1858 to the year 1877-78, a large number of patients were transferred from the eastern hospitals. Within the past thirteen years two transfers, of 15 and 10 patients from the Danvers Hospital, were made, the latter in June, 1886. Of the patients formerly transferred from other hospitals, 39 still remain in the hospital. During the first thirteen years of the hospital's existence patients were received from other States. The last commitment from out of the State was on Oct. 4, 1871. Within the past thirteen years several large transfers of patients have been made from this to the eastern hospitals. The five cities and some of the large towns in western Massachusetts have accommodations for the chronic insane in connection with their almshouses, to which a large number of patients have been removed.

The system of boarding out patients in families has taken away a goodly number. Notwithstanding these removals to other institutions, the hospital continues to be filled to its normal capacity.

The trustees, believing that radical and extensive changes in the hospital buildings had become necessary, made application to the last Legislature for an appropriation to enable them to commence such changes during the present year.

In response to such application, the Legislature “*Resolved*, That there be allowed and paid out of the treasury of the Commonwealth a sum not exceeding thirty thousand dollars, to be expended under the direction of the trustees of the State Lunatic Hospital at Northampton, for the purpose of enlarging the hospital and for other necessary repairs.”

Work was begun as soon as practicable, and has been carried on as rapidly as circumstances would allow. Already a building 74 feet in length and 34 in width is well under way. It consists of a basement story for store-rooms and two stories above, which will contain nineteen lodging-rooms for the male help. It is built of brick, with partitions of the same material, iron staircases, wire lathing, and will be made as secure against fire as practicable.

Another building, 113 feet in length and 59 in width, is also well advanced. This will contain shops for the carpenters and engineer and machinery, an engine room, coal bunkers, a room for four boilers, and one for an electric-light plant. A large chimney is also under way. The building which now contains the shops and the heating apparatus is also being changed into a laundry. It is proposed to add another story to this building, for room for the female help. It is also proposed to enlarge the chapel about one-half. These changes will place the rear wing of the hospital on a good working basis, preparatory to enlarging and improving the hospital proper. To this end an appropriation of fifty thousand dollars will be asked of the next Legislature.

The usual repairs and some improvements have been made within the year. The green-house was completed, and is now in successful operation. The eighteen dining-rooms were furnished with oak chairs, and considerable furniture, such as bureaus, wardrobes, settees, etc., has been placed in the halls. Careful attention has been paid to the cultivation of the farm crops, the result of which is that there is a gradual increase in the total products and in the farm stock. The fields are being gradually cleared of rocks and the pastures of brush. Drains are put in, and liberal amounts of fertilizers are purchased and applied. The four out-lying houses, now occupied by employees, have been painted and otherwise improved, also most of the farm buildings. The

finances of the hospital are in a satisfactory condition, as may be seen from the treasurer's report.

Although the rate of board is very low, still the income has been sufficient to meet the current expenses. The total amount charged for board for each class of patients is as follows : —

State patients,	\$15,373 89
Town patients,	50,437 03
Private patients,	18,624 54
Total,	<hr/> \$84,435 46

No changes have occurred in the official staff within the year. On the 1st of October, 1891, Walter B. Welton, who has been the efficient and faithful clerk of the hospital since Feb. 14, 1866, resigned his office on account of failure of health; his resignation is to take effect Jan. 1, 1892. Lewis F. Babbitt was elected to fill the vacancy.

In the discharge of their duties the trustees have had the cordial and intelligent co-operation of the physicians and other officers of the institution.

ADAMS C. DEANE.
HENRY W. TAFT.
LYMAN D. JAMES.
ELISHA MORGAN.
SARAH A. WOODWORTH.
SARAH M. BUTLER.
ALVAN BARRUS.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1891.

Superintendent and physician,	per year, \$2,500 00
Assistant physician, first,	" 1,500 00
Assistant physician, second,	" 600 00
Female physician,	" 900 00
Treasurer,	" 300 00
Treasurer, for clerk hire and paid to clerk,	" 200 00
Clerk,	" 1,200 00
Farmer,	" 700 00
Engineer,	" 1,200 00
Assistant clerk,	per month, 25 00
Supervisor (male),	" 40 00
Supervisor (female),	" 30 00
Assistant supervisor (female),	" 20 00
Seamstress,	" 20 00
Assistant seamstress,	" 16 00
Laundress,	" 18 00
Assistant laundresses (2),	" 18 00
Assistant laundress,	" 16 00
Baker,	" 40 00
Steward,	" 50 00
Assistant steward,	" 25 00
Attendants (male, 5),	" 30 00
Attendants (male, 2),	" 25 00
Attendants (male, 2),	" 23 00
Attendants (male, 4),	" 21 00
Attendant (female),	" 20 00
Attendants (female, 14),	" 18 00
Night watch (female),	" 16 00
Housework, centre (female),	" 17 00
Housework, centre (female, 2)	" 15 00
Cook (female),	" 18 00
Assistant cook (female),	" 16 00
Assistant cook (female),	" 15 00
Assistant cook (female),	" 14 00

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Assistant cook (male),	per month,	\$30 00
Farmer's dining-room (female),	"	14 00
Housework, rear building (female),	"	15 00
Watchman,	"	30 00
Carpenter,	per day,	2 25
Carpenter,	"	2 00
Painter,	per month,	50 00
Night engineer, and gardener in summer,	"	30 00
Coachman,	"	30 00
Car boy,	"	18 00
Florist,	"	50 00
Farm hands (2),	"	30 00
Farm hands (4),	"	28 00
Farm hand,	"	25 00
Farm hand,	"	23 00
Farm hand,	"	20 00

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1891.

Live stock on hand,	\$8,992 00
Produce of farm on hand,	10,280 20
Carriages and agricultural implements,	3,530 00
Machinery and mechanical fixtures,	4,940 00
Beds and bedding in inmates' department,	12,750 00
Other furniture in inmates' department,	7,400 00
Personal property of State in superintendent's department,*	8,800 00
Ready-made clothing,	2,987 55
Dry goods,	4,204 69
Provisions and groceries,	3,739 10
Drugs and medicine,	575 00
Fuel,	4,477 60
Library,	1,000 00
Paints and oils,	525 00
Total,	<hr/> \$74,201 14

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing-room and other apartments.

TREASURER'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

I hereby present my report, as treasurer of the hospital, for the fiscal year ending with the 30th of September, 1891. It contains, as usual, an appraisal of the property of the institution, an account of the receipts and the disbursements of money during the year, and the financial condition at its close.

ASSETS.

Four hundred and ninety-three acres of land,	\$52,121 00
Hospital building,	260,000 00
Farm-house, \$1,900; brick house, \$1,800, . .	3,700 00
Four dwellings,	2,000 00
Store-house and shops,	15,000 00
Two barns,	5,150 00
Horse stable,	1,800 00
Scullery and wood-house,	650 00
Lumber-house,	1,000 00
Pump-house,	800 00
Cart shed,	450 00
Coal-house,	100 00
Piggery,	3,000 00
Cattle shed,	1,200 00
Fire-proofs for oils and paints,	500 00
Two ice-houses,	450 00
Total,	<hr/> \$347,921 00

PERSONAL ESTATE.

Stock and supplies on hand, as per inventory appended to the trustees' report,	\$74,201 14
------------------------------------------------------------------------------------------	-------------

RECEIPTS.

Cash on hand Sept. 30, 1890,	\$22,881 22
Received from State treasurer,	15,861 83
from towns,	51,217 53
from individuals,	17,685 63
from sales,	2,643 11
from interest,	830 20
Total,	<hr/> \$111,119 52

PAYMENTS.

1. Salaries, wages and labor,	\$30,805 72
2. Provisions and supplies : —	
Meats of all kinds,	\$4,886 50
Fish of all kinds,	1,430 64
Fruit and vegetables,	1,390 86
Flour,	3,105 00
Grain and meal for table,	774 55
Tea, coffee and chocolate,	716 46
Grain and meal for stock,	5,016 39
Sugar and molasses,	1,647 70
Butter and cheese,	4,103 76
Salt and other groceries,	1,829 35
All other provisions,	606 56
	<hr/>
	25,507 77
3. Clothing,	2,969 96
4. Fuel and lights,	6,105 19
5. Medicines and medical supplies,	794 78
6. Furniture, beds and bedding,	2,703 47
7. Transportation and travelling expenses,	637 20
8. Ordinary construction and repairs,	2,253 37
9. Extraordinary construction and repairs,	3,498 79
10. Miscellaneous expenses, including : —	
1. Farm stock,	\$1,945 00
2. Farm supplies,	2,615 41
3. Water,	1,176 34
4. Minor expenses,	1,021 98
5. Contingencies,	686 20
	<hr/>
	7,444 93
Total expenditures,	<hr/>
	\$82,721 18

LIABILITIES.

Salaries and wages due Oct. 1, 1891,	\$4,166 09
Miscellaneous bills due,	1,623 68
	<hr/>
	\$5,789 77

Due the institution for board Oct. 1, 1891 : —

From State,	\$3,854 08
town,	13,189 49
individuals,	4,519 51
Due from the treasurer, Sept. 30, 1891,	28,398 34
	<hr/>
	\$49,961 42

SUMMARY.

Total receipts,	\$111,119 52
Total payments,	82,721 18
	<hr/>
Cash on hand Sept. 30, 1891,	\$28,398 34

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Total liabilities,	\$5,789 77
Total debts due the institution,	49,961 42
Total expenditures,	82,721 18

Dividing this sum by 457, the average number of patients,	
we have the average expenditure per patient,	\$181 00
And the average weekly expenditure per patient,	3 47

Deducting from the total expenditure,	\$82,721 18
The extraordinary expenses,	3,498 79

We have the current expenses,	\$79,222 39
-----------------------------------------	-------------

Dividing \$79,222 39 by 457, the average number of patients,	
we have the average expenditure per patient,	\$173 35
Making the average weekly expenditure per patient,	3 32

Adding to the current expenses,	\$79,222 39
The decrease of personal assets,	2,504 24

We have the necessary cost for the year,	\$81,726 63
----------------------------------------------------	-------------

Dividing \$81,726.63 by 457, the average number of patients,	
we have, as the annual cost of each patient,	\$178 83
Making the average weekly cost of each patient,	3 42

EDWARD B. NIMS,
Treasurer.

We have examined, as auditors, the accounts of the treasurer, and found a satisfactory voucher for every entry.

LYMAN D. JAMES,
E. MORGAN,
Auditors.

FINANCIAL STATEMENT.

Of the appropriation made by the Legislature of 1891, to wit: “*Resolved*, That there be allowed and paid out of the treasury of the Commonwealth a sum not exceeding thirty thousand dollars, to be expended under the direction of the trustees of the State Lunatic Hospital at Northampton, for the purpose of enlarging the hospital and for other necessary repairs:” —

Amount of appropriation,	. . . . .	\$30,000 00
Drawn to Sept. 30, 1891,—		
For architect,	. . . . .	\$750 00
For labor,	. . . . .	5,962 57
For building materials,	. . . . .	4,110 24
		————— \$10,822 81

EDWARD B. NIMS,

Treasurer.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The superintendent respectfully presents his report for the year 1890-91. The custom of making annual reports is a desirable one, inasmuch as it keeps the public informed as to the condition of the hospital, and the work that is accomplished each year. The demand for such work is constant, and without special variation; the reports of the work are therefore necessarily very similar. When we take into account the importance of the work and the value of the results, the statements concerning it become interesting.

The following table gives the changes in population for the year:—

1. — *General Statistics of the Year.*

	INSANE.			HABITUAL DRUNKARDS.		
	Males.	Fe- males.	Totals.	Males.	Fe- males.	Totals.
Patients in hospital Oct. 1, 1890,	243	252	495	-	-	-
Admitted within the year,	78	59	137	3	-	3
Whole number of cases within the year,	321	311	632	3	-	3
Discharged within the year,	97	83	180	3	-	3
Viz.: as recovered at the time of leaving the hospital,	28	16	44	1	-	1
as much improved,	7	7	14	-	-	-
as improved,	26	26	52	1	-	1
as not improved,	17	22	39	1	-	1
Deaths,	19	12	31	-	-	-
Patients remaining Sept. 30, 1891,	225	228	453	-	-	-
Viz.: supported as State patients,	42	45	87	-	-	-
supported as town patients,	149	146	295	-	-	-
supported as private patients,	34	37	71	-	-	-
Number of different persons within the year,	318	305	623	3	-	3
Persons admitted,	77	57	134	3	-	3
Persons recovered,	28	15	43	1	-	1
Daily average number of patients,	227.58	228.95	456.53	.46	-	.46
Viz.: State patients,	43.17	47.54	90.71	-	-	-
town patients,	150.515	147.2	297.715	.065	-	.065
private patients,	33.898	34.21	68.108	.397	-	.397

1. — General Statistics of the Year — Concluded.

	VOLUNTARY PATIENTS.			AGGREGATE.		
	Males.	Fe- males.	Totals.	Males.	Fe- males.	Totals.
Patients in hospital Oct. 1, 1890, . . .	—	—	—	243	252	495
Admitted within the year,	1	—	1	82	59	141
Whole number of cases within the year,	1	—	1	325	311	636
Discharged within the year,	—	—	—	100	83	183
Viz.: as recovered at the time of leav- ing the hospital,	—	—	—	29	16	45
as much improved,	—	—	—	7	7	14
as improved,	—	—	—	27	26	53
as not improved,	—	—	—	18	22	40
Deaths,	—	—	—	19	12	31
Patients remaining Sept. 30, 1891, .	—	—	—	225	228	453
Viz.: supported as State patients, .	—	—	—	42	45	87
supported as town patients, .	—	—	—	149	146	295
supported as private patients, .	—	—	—	34	37	71
Number of different persons within the year,	1	—	1	322	305	627
Persons admitted,	1	—	1	81	57	138
Persons recovered,	—	—	—	29	15	44
Daily average number of patients, .	.008	—	.008	228.05	228.95	457.
Viz.: State patients,	—	—	—	43.17	47.54	90.71
town patients,	—	—	—	150.58	147.2	297.78
private patients, . . . . .	.008	—	.008	34.30	34.21	68.51

On the 1st of October, 1891, 5 women and 2 men were transferred from State to town charge. Hence the new year will begin with:—

	Males.	Females.	Totals.
State patients,	40	40	80
Town patients,	151	151	302

Eighty-two men and 59 women were admitted within the year, making a total of 141 cases. Four hundred and ninety-five persons remained in the hospital Sept. 30, 1890, — 243 men and 252 women. The total number of cases under treatment within the year was 636, — 325 men and 311

women. One hundred eighty-three cases were discharged, — 100 men and 83 women, — including 31 deaths; which makes the number of persons remaining in the hospital Sept. 30, 1891, 453, — 225 men and 228 women. The daily average for the year was 457, — 228.05 men, 228.95 women. The number of admissions was less by 29 than in the preceding year, and a large number of chronic cases were discharged. These facts will account for the reduction in the population of the hospital. The proportion of curable cases admitted was larger, one result of which is a larger per cent. of recoveries than usual. Of the 152 cases which left the hospital, 88 returned to their homes, 45 were removed to almshouses, 3 eloped, 4 were placed out in families to board and 12 were removed to the criminal asylum at the State Farm, Bridgewater. One woman was admitted, discharged, readmitted and discharged a second time; 1 man and 1 woman were admitted, discharged and readmitted; which makes the number of persons admitted within the year 138, — 81 men and 57 women. Two men and 3 women were discharged and readmitted, 1 woman was discharged, readmitted and discharged a second time; making the whole number of persons under treatment within the year 627, — 322 men and 305 women. The number of first admissions of cases was 118, of second admissions 18, of third admissions 4, of fifth admissions 1. The largest number of patients in the house on any one day was 505. This is the largest number that ever was present at any time since the opening of the hospital in 1858. The smallest number on any day in the year was 441.

STATUS OF PATIENTS.

The patients remaining in the hospital Oct. 1, 1890, were classed as follows: State, 101; town, 323; private, 71. Of the 141 cases admitted 31 were supported by the State, 81 by towns and 29 by individuals. Of the 183 discharged, 35 were State, 121 town and 27 were private patients. Of the 453 patients remaining Sept. 30, 1891, 87 were State, 295 town and 71 private patients. The discrepancies in the numbers arise from transfers which were made from

one class to another in the course of the year. The following table gives the weekly average of the different classes for two years past:—

	1889-90.			1890-91.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, .	48.42	48.44	96.86	45.35	44.55	89.90
Town patients, .	151.46	159.71	311.17	148.84	147.44	296.28
Private patients, .	28.42	33.65	62.07	32.41	36.16	68.57

The change in status from State to town patients still continues. As reported in 1879-80, the average of State patients was 197.03, town and city patients, 198.01, private patients, 55.46,—the average of State and town patients being nearly equal.

RECOVERIES.

Forty-five patients were discharged as recovered, including one inebriate. Three of these had been discharged as recovered on previous admissions. One woman was discharged twice as recovered within the year. In the latter case the relapse from the former recovery was occasioned by a combination of very unfavorable circumstances, and might have been reasonably expected. The per cent. of recoveries reckoned on the number of admissions was 31.9; on the whole number discharged, 24.5; on the number discharged, not including deaths, 29.6.

Forty-two recovered on their first admission, 2 on the second admission and 1 on the third. Several of those patients who were discharged as much improved or improved continued to improve after leaving the hospital, and recovered before the end of the year. While we cannot consistently reckon them as discharged recovered, they probably would have recovered if they had remained in the hospital.

DEATHS.

The health of the patients in general has been up to the usual standard, and no unusual form of disease has prevailed; but, owing to circumstances beyond the control of the physicians, the total number of deaths, as well as the percentage, is a little larger than in the preceding year. The whole number of deaths within the year was 31, — 19 men and 12 women. The rate per cent., reckoned on the whole number under treatment, was 4.87, and on the daily average 6.78. As usual, a large proportion of the deaths occurred as a result of chronic disease. One woman eighty-six years of age died of pneumonia, and 1 woman of exhaustion of acute melancholia. These were the only cases in which the disease could be called acute. Seven persons died of phthisis; 2 died of heart disease of long duration; 3 deaths were caused by general paralysis of the insane; 3 by exhaustion of chronic brain disease, one of them after a residence in the hospital of thirty-two years; 1 from exhaustion of senile mania of long duration; 1 resulted from cancer; 2 from chronic nephritis. In four cases the only known cause was old age; 2 died by suicide; 1 feeble woman from accidental strangulation; and 2 deaths resulted from cerebral hemorrhage, after several attacks of a similar character. Four persons who were supported by the State died, 20 who were wards of towns and cities, and 7 private patients. The average age of the 31 persons who died was fifty-seven years eight months. Six of these were over seventy-five years of age. The number of deaths for each year since 1858, and the ratios, will be found in the annexed table: —

Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1891.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Aver- age No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Aver- age No. of Patients.
			Men.	Women.	Totals.		
1858-59, .	313	229.55	7	12	19	6.07	8.27
1859-60, .	398	255.96	9	18	27	6.78	10.54
1860-61, .	434	314.26	15	15	30	6.91	9.54
1861-62, .	442	313.80	9	10	19	4.29	6.05
1862-63, .	470	355.28	19	7	26	5.53	7.31
1863-64, .	475	357.63	17	30	47	9.89	13.14
1864-65, .	469	342.40	17	24	41	8.76	11.97
1865-66, .	488	376.35	18	13	31	6.35	8.23
1866-67, .	543	401.03	23	24	47	8.65	11.71
1867-68, .	565	413.41	25	17	43	7.61	10.40
1868-69, .	590	405.10	13	12	25	4.23	6.17
1869-70, .	604	408.83	22	11	33	5.46	8.07
1870-71, .	616	421.90	16	12	28	4.54	6.64
1871-72, .	619	428.72	19	18	37	5.97	8.63
1872-73, .	614	437.23	13	8	21	3.42	4.80
1873-74, .	626	469.54	14	11	25	3.99	5.32
1874-75, .	629	475.35	23	18	41	6.52	8.62
1875-76, .	629	474.21	18	19	37	5.88	7.80
1876-77, .	603	476.16	21	21	42	6.96	8.82
1877-78, .	551	442.43	14	9	23	4.17	5.19
1878-79, .	535	436.73	14	9	23	4.29	5.27
1879-80, .	559	450.51	17	12	29	5.19	6.44
1880-81, .	569	451.79	16	10	26	4.57	5.75
1881-82, .	587	461.66	24	14	38	6.47	8.23
1882-83, .	606	466.76	17	13	30	4.95	6.42
1883-84, .	605	463.05	12	13	25	4.13	5.39
1884-85, .	599	475.94	16	11	27	4.51	5.67
1885-86, .	659	474.40	14	12	26	3.94	5.48
1886-87, .	639	478.55	13	18	31	4.85	6.47
1887-88, .	635	470.25	14	17	31	4.88	6.59
1888-89, .	636	469.10	18	7	25	3.93	5.32
1889-90, .	616	470.50	12	9	21	3.40	4.46
1890-91, .	636	457.00	19	12	31	4.87	6.78

WORSHIP AND ENTERTAINMENT.

The assemblies of patients on Sunday for religious service and in the evening of other days have been continued during the year. The average attendance at the service on Sabbath afternoons was 287.5; the largest number present at any one time, 323. The attendance at the evening assemblies varies from about 225 to 300 persons. It is sufficient to say that these exercises are very satisfactory, both as to the results and the appreciation given to them by those who attend. There is no part of the hospital work which gives a better return for the labor expended than this. The moral effect upon many patients is very decided, both in the direct impressions produced and in the salutary and continual influence which is brought to bear upon them.

Exercises in Chapel.

1. ON THE SABBATH:—

Divine worship,	52 days.
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2. ON SECULAR EVENINGS:—

(a) *Readings and Recitations, opened and closed with music:—*

The Bible,	. . . . .	1 day.
The Bible and selections of poetry,	. . . . .	28 days.
The Bible and selections of prose,	. . . . .	1 day.
The Bible and selections of poetry and prose,	. . . . .	21 days.
Miscellaneous selections of prose,	. . . . .	92 days.
Miscellaneous selections of poetry,	. . . . .	5 days.
Miscellaneous selections of poetry and prose,	. . . . .	44 days.
Miscellaneous selections and recitations,	. . . . .	1 day.

(b) *Other Entertainments:—*

Pictures shown with stereopticon,	. . . . .	8 days.
Concerts,	. . . . .	1 day.
Ventriloquism,	. . . . .	1 day.

(c) *Social Assemblies:—*

Quadrille parties,	. . . . .	28 days,
No assembly,	. . . . .	82 days.

365 days.

FARM.

The season has been a favorable one in most respects for the farm. The number of acres devoted to cultivated crops was about sixty. The hay crop was lessened by the drought

of the early summer. The apple crop was less than the average, otherwise the amount of products was large and of excellent quality. The farm produces this year all the hay, milk, pork, vegetables, a large portion of the apples, a part of the beef and grain, which will be required. The farm is increasing in productiveness each year, and promises under the present methods of cultivation to become very valuable. The number of acres suitable for cultivation are gradually increasing, as the waste lands are reclaimed and cleared of rocks and brush. The following table gives the annual amount of hay produced : —

1864, estimated, . . . 40 tons.	1878, weighed, . . . 179 tons.
1865, " . . . 62 "	1879, " . . . 144 "
1866, " . . . 42 "	1880, " . . . 154 "
1867, weighed, . . . 82 "	1881, " . . . 213 "
1868, " . . . 86 "	1882, " . . . 170 "
1869, " . . . 91 "	1883, " . . . 197 "
1870, " . . . 74 "	1884, " . . . 174 "
1871, " . . . 75 "	1885, " . . . 251 "
1872, " . . . 91 "	1886, " . . . 269 "
1873, " . . . 84 "	1887, " . . . 302 "
1874, " . . . 120 "	1888, " . . . 305 "
1875, " . . . 100 "	1889, " . . . 331 "
1876, " . . . 111 "	1890, " . . . 336 "
1877, " . . . 154 "	1891, " . . . 295 "

One hundred and seven hogs were slaughtered, and the annexed table gives the amount of pork produced each year : —

Pork raised upon the Farm.

1865, . . . 6,265 pounds.	1879, . . . 13,569 pounds.
1866, . . . 5,443 "	1880, . . . 14,729 "
1867, . . . 7,416 "	1881, . . . 15,610 "
1868, . . . 7,791 "	1882, . . . 14,414 "
1869, . . . 8,469 "	1883, . . . 15,612 "
1870, . . . 7,447 "	1884, . . . 10,192* "
1871, . . . 7,863 "	1885, . . . 17,544 "
1872, . . . 11,366 "	1886, . . . 21,503 "
1873, . . . 10,511 "	1887, . . . 26,331 "
1874, . . . 12,024 "	1888, . . . 18,465 "
1875, . . . 12,693 "	1889, . . . 19,227 "
1876, . . . 12,467 "	1890, . . . 25,189 "
1877, . . . 13,605 "	1891, . . . 32,621 "
1878, . . . 14,451 "	

* Quantity diminished by disease.

The number of animals at present owned by the hospital is as follows: 10 oxen, 96 cows and heifers, 4 bulls, 13 horses and colts, 243 swine, 225 poultry. The value of the farm to the hospital has often been mentioned in the annual reports. The large amount of farm products insures a generous supply for the tables, without regard to market value; for instance, the entire crop of apples, which last year amounted to about 800 barrels, was used in the hospital, notwithstanding the fact that they could have been sold for a high price. Uniformly a large quantity and variety of the best quality of vegetables are used. This might not be the case if the hospital was obliged to purchase them in the markets at high rates.

As in years past, a large amount of work has been done by patients. There are many sorts of farm work which do not require skilled labor.

The quantity of milk consumed was 30,624 gallons, one-third of which is given in the following table, the other two-thirds not being reckoned as a product, but charged to the cost of the animals and the food consumed by them.

List of Farm Products in 1891.

Hay (first growth), 222 tons,	\$3,108 00
Hay (aftergrowth), 72 $\frac{3}{4}$ tons,	1,018 50
Corn fodder (dry), 24 tons,	120 00
Corn, 500 bushels,	350 00
Straw, 8 tons,	96 00
Potatoes, 2,869 bushels,	1,291 05
Broom seed, 50 bushels,	25 00
Broom brush, 700 pounds,	49 00
Carrots, 230 bushels,	92 00
Sugar beets, 500 bushels,	200 00
Beets, 128 $\frac{1}{2}$ bushels,	77 10
Onions, 510 bushels,	255 00
Turnips, 450 bushels,	112 50
Parsnips, 50 bushels,	30 00
Beans (in shell), 177 $\frac{1}{2}$ bushels,	177 50
Beans (string), 19 $\frac{1}{2}$ bushels,	39 00
Pease (green), in pod, 182 $\frac{1}{2}$ bushels,	182 50
Sweet corn (green), in ear, 233 bushels,	174 50
Tomatoes, 139 bushels,	139 00
Lettuce, 114 $\frac{1}{2}$ bushels,	114 00
Cucumbers, 69 $\frac{1}{2}$ bushels,	69 50
Squash (summer), 63 $\frac{1}{2}$ bushels,	63 50

Squash (winter), 12,000 pounds,	\$120 00
Melons, 8,669 pounds,	86 69
Asparagus, 40 bushels,	90 00
Pie-plant, 63½ bushels,	63 50
Beet greens, 44 bushels,	44 00
Spinach, 54 bushels,	54 00
Cabbage, 3,200 heads,	96 00
Currants, 22 bushels,	66 50
Apples, 614 barrels,	675 40
Pears, 91 bushels,	91 00
Quinces, 6 bushels,	7 50
Beef, 2,261 pounds,	135 66
Veal (raised here), 2,209 pounds,	220 90
Pork, 32,621 pounds,	1,957,26
Pigs sold, 191,	447 50
Pigs, roasting, 5,	10 00
Chickens, 1,045 pounds,	201 20
Heads and plucks, 19,	19 00
Eggs, 689½ dozen,	178 21
Milk (grass-fed), 10,208 gallons,	1,633 28
Cider, 45 barrels,	135 00
Calf-skins, 19,	13 75
Young calves sold, 17,	43 50
Wood, 10 cords,	32 68
Ensilage, 125 tons,	312 50
Celery, 1,300 heads,	39 00
Posts, 50,	12 50
Lumber, 5,600,	84 00
Husks (corn), 1 ton,	12 00
Ice, 500 tons,	500 00
Rye, 75 bushels,	75 00
Grapes, 2½ bushels,	5 00
Citron, 550 pounds,	11 00
Hogs (fat), 10,	120 82
	<hr/>
	\$15,378 00

FINANCES.

The hospital depends for its income upon the products of the farm and the amounts charged for the board of patients. The hospital receives for the support of all State and town or city patients \$3.25 each per week. The average weekly cost per patient for the year past was \$3.32. The term "support," as interpreted by law, includes board, clothing, medical attendance, damages to the property of the hospital, etc. No extra charge is allowed in the bills except as provided in chapter 87, section 45, of the Public Statutes: "No pauper shall be discharged from the State hospital

without suitable clothing, and the trustees may furnish the same at their discretion, together with such sum of money, not exceeding twenty dollars, as they may deem necessary. Such money and the cost of such clothing, the expense of pursuing such lunatics as escape therefrom, and of burial of such as die in the hospital, shall be reimbursed to the trustees by the places of legal settlement of city and town paupers, and by the Commonwealth in the case of State paupers."

The daily average of State and town patients for the past year was 388.49. The charge for board of private patients is not uniform, but varies according to the arrangements made with the parties paying such board. The average price charged for all who were in the hospital Sept. 30, 1891, was \$4.86 per week. The clothing and damages are charged extra. The average weekly pay per capita charged by the hospital for all its patients, State, town and private, in the course of the year, was \$3.54.

The amount of cash assets on hand is \$49,961.42; the liabilities are \$5,789.77. The purchased supplies on hand, including provisions, clothing and fuel, are estimated to cost \$15,408.94, making the working surplus of the hospital \$59,580.59. The amount expended from the regular receipts of the hospital for extraordinary repairs and improvements was \$3,498.79. In addition to this, \$10,822.21 has been expended from the special appropriation of \$30,000 which was made by the last Legislature for enlarging the hospital, and for necessary repairs and improvements, making a total of \$14,321.00 expended within the year. The total amount of appropriations which have been made by the State and expended for the construction, repairs and improvements of the hospital, from the time of the passage of the act authorizing its erection, according to the list furnished by the State treasurer, is \$386,372.21.

The future need of hospital accommodations for the insane in western Massachusetts is a question which can be easily understood when we give the subject consideration. The population of this part of the State is gradually increasing. If the proportion of persons who become insane remains the same, — and it probably will not vary materially, — the

number of patients who will require care and treatment will also increase. Judging of the future by the past, it will increase. The number of yearly admissions is now about double what it was sixteen years ago. In addition to this, a considerable part of the patients admitted each year pass into the chronic or incurable state, requiring care and custody. There is a gradual accumulation of this class; a portion of these remain in the hospital, a portion are cared for in the almshouses, some are placed in families. It is practically certain that the number of acute and chronic insane will increase from year to year. If this hospital is to provide for such an increase, the time is not far distant when increased accommodations will be required. The improvement and enlargement of the building in the present year may be considered as preparatory to such an increase. A new and commodious boiler and engine house, and a new dormitory for employees, are in process of erection. The old boiler and engine house is being changed into a laundry, an improvement which is much needed. The enlargement of the chapel is also contemplated. The changes will make the administrative part of the hospital sufficiently large and effective in case of an increase in the accommodations for patients. Without these changes, any considerable increase in the number of patients would seriously inconvenience the working part of the hospital. The present necessity of the hospital is an improvement in the accommodations for patients already existing. It is specially desirable that an appropriation for this purpose should be made in the coming session of the Legislature. In connection with the improvements, such increase can be made as the means provided will warrant.

ACKNOWLEDGMENTS.

Contributions of magazines and papers were made by Mr. S. E. Bridgman, Miss Florence Austin, and others too numerous to mention. Two copies of the "N. E. Staaten Zeitung" and one of the "Christian Register" have been received weekly during the year. Dr. T. W. Meekins gave a series of stereopticon exhibitions during the winter. Mr. Frank's orchestra favored the hospital with music at the weekly dances in the winter season.

CONCLUSION.

The official staff remains the same as at the last annual report, also the subordinate officers, except the laundress, Mrs. Kate Bartlett having been appointed to that position. The uniform and continued aid of those who are associated with me in the hospital work merits my sincere appreciation and thanks, as well as the useful and unvarying support of your Board.

EDWARD B. NIMS,
Superintendent.

APPENDIX.

* 2. — *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1890.												
October,	14	5	19	4	3	7	1	1	2	246.58	252.935	499.52
November,	4	6	10	27	25	52	1	2	3	239.5	236.8	476.3
December,	4	1	5	7	11	18	1	1	2	225.74	226.52	452.26
1891.												
January,	8	3	11	5	2	7	2	1	3	223.225	220.838	444.06
February,	7	5	12	2	3	5	2	1	3	224.14	221.5	445.64
March,	4	4	8	2	2	4	2	—	2	226.55	222.87	449.42
April,	5	4	9	6	3	9	1	—	1	227.07	223.73	450.8
May,	5	5	10	4	5	9	—	1	1	226.709	224.74	451.45
June,	7	10	17	8	3	11	1	1	2	225.67	227.1	452.77
July,	9	11	20	5	8	13	3	2	5	226.03	228.03	454.06
August,	4	4	8	5	3	8	1	—	1	223.74	231.42	455.16
September,	11	1	2	6	3	9	4	2	6	221.366	230.266	451.63
Total of cases,	82	59	141	81	71	152	19	12	31	—	—	—
Total of persons,	81	57	138	81	69	150	19	12	31	—	—	—
Daily average,	—	—	—	—	—	—	—	—	—	228.05	228.95	457.

* For Table No. 1, see beginning of superintendent's report.

3. — Received on First and Subsequent Admissions.

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	72	46	118	—	—	—
Second,	8	10	18	3	—	3
Third,	1	3	4	—	2	2
Fifth,	1	—	1	3	—	3
Total of cases, . . .	82	59	141	6	2	8
Total of persons, . .	81	57	138	4	1	5

4. — Relations to Hospitals of Persons admitted.

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane, . . .	66	44	110
Former inmates of this hospital only, . . .	9	10	19
Former inmates of other hospitals only, . . .	5	2	7
Former inmates of this and other hospitals, . . .	1	1	2
Total of persons,	81	57	138

5. — *Parentage of Persons admitted.*

PLACES OF NATIVITY.	MALES.		FEMALES.		TOTALS.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine,	—	—	2	2	2	2
New Hampshire,	1	1	—	—	1	1
Vermont,	3	1	1	3	4	4
Massachusetts,	28	26	13	13	41	39
Connecticut,	2	5	2	2	4	7
New York,	3	3	6	4	9	7
Maryland,	—	1	—	—	—	1
Virginia,	1	—	—	—	1	—
Canada,	7	7	1	1	8	8
Nova Scotia,	—	1	—	—	—	1
England,	7	6	3	2	10	8
Ireland,	23	23	24	25	47	48
Scotland,	1	1	1	1	2	2
Germany,	1	1	3	3	4	4
Armenia,	1	1	—	—	1	1
Sweden,	1	1	—	—	1	1
Unknown,	2	3	1	1	3	4
Totals,	81	81	57	57	138	138

6. — *Residence of Persons admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	11	7	18
Hampden County,	29	30	59
Berkshire County,	27	16	43
Franklin County,	11	4	15
Worcester County,	2	—	2
Bristol County,	1	—	1
Totals,	81	57	138
Cities or towns,*	40	28	68
Country districts,	41	29	70
Totals,	81	57	138

* Containing not less than 10,000 inhabitants.

9. — *Probable Causes of Disease in Persons admitted.*

CAUSES.	PATIENTS ADMITTED.						INSANE.						HABITUAL DRUNKARDS.			
	INSANE.			HABITUAL DRUNKARDS.			VOLUNTARY PATIENTS.			PREVIOUS AT-TACKS.			HEREDITARY PREDISPOSITION.		PREVIOUS AT-TACKS.	
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.
1. — PHYSICAL —																
Congenital,	2	1	3	—	—	—	—	—	—	1	—	1	—	—	—	—
Ill health,	6	10	16	—	—	—	—	—	—	—	—	—	—	—	—	—
Ill health and overwork,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Epilepsy,	4	4	8	—	—	—	—	—	—	—	—	—	—	—	—	—
Hereditary,	14	3	17	—	—	—	—	—	—	1	—	1	—	—	—	—
Overheating,	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Sunstroke,	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Apoplexy,	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Masturbation,	6	—	6	—	—	—	—	—	—	—	—	—	—	—	—	—
Overwork,	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Injury,	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Menopause,	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Childbirth,	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Opium habit,	17	4	21	2	—	2	—	—	—	1	—	1	1	—	1	1
Intemperance,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Dissipation,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Dipsomania,	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—
Old age,	6	1	7	—	—	—	—	—	—	—	—	—	—	—	—	—
2. — MENTAL —																
Domestic trouble,	—	2	2	—	—	—	—	—	—	1	—	1	—	—	—	—
Grief,	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Fright,	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Worry,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Not insane,	15	—	15	—	—	—	1	—	1	—	—	—	—	—	—	—
Unknown,	—	24	24	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	77	57	134	3	—	3	1	—	4	2	2	4	27	7	34	1

10. — *Record of Cases admitted within the Year.*

PATIENTS.	INSANE.			HABITUAL DRUNKARDS.			VOLUNTARY PATIENTS.			AGGREGATE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Admitted,	78	59	137	3	—	3	1	—	1	82	59	141
Discharged recovered,	16	6	22	1	—	1	—	—	—	17	6	23
much improved,	5	2	7	—	—	—	—	—	—	5	2	7
improved,	7	2	9	1	—	1	—	—	—	8	2	10
not improved,	4	7	11	1	—	1	—	—	—	5	7	12
not insane,	—	—	—	—	—	—	—	—	—	—	—	—
Died,	6	4	10	—	—	—	—	—	—	6	4	10
Remaining Sept 30, 1891,	43	38	81	—	—	—	1	—	1	44	38	82
Number likely to recover or improve,	16	15	31	—	—	—	1	—	1	17	15	32

11. — Ages of Insane at First Attack, Admission and Death.

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.						PERSONS DIED.					
	At First Attack.			When admitted.			At First Attack.			At Time of Death.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . .	-	-	-	-	-	-	-	-	-	-	-	-
15 years and less, .	3	1	4	-	-	-	-	-	-	-	-	-
From 15 to 20 years,	2	2	4	4	2	6	2	-	2	-	-	-
20 to 25 years,	7	2	9	9	2	11	-	1	1	2	1	3
25 to 30 years,	3	5	8	6	3	9	1	-	1	-	-	-
30 to 35 years,	5	8	13	11	6	17	3	2	5	2	-	2
35 to 40 years,	3	2	5	6	4	10	-	-	-	-	1	1
40 to 50 years,	8	6	14	11	13	24	3	5	8	5	2	7
50 to 60 years,	4	4	8	4	5	9	1	-	1	4	3	7
60 to 70 years,	5	5	10	6	5	11	1	1	2	3	2	5
70 to 80 years,	5	2	7	5	4	9	-	1	1	1	2	3
Over 80 years, .	-	-	-	3	-	3	1	-	1	2	1	3
Unknown, . .	20	7	27	-	-	-	7	2	9	-	-	-
Not insane, . .	1	-	1	1	-	1	-	-	-	-	-	-
Total of persons,	66	44	110	66	44	110	19	12	31	19	12	31
Mean ages, .	39.39	40.16	29.95	41.85	43.77	42.37	40.17	44.70	42.23	52.63	56.41	54.10

12.—Reported Duration of Disease before Last Admission.

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER AD- MISSIONS.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . .	—	—	—	—	—	—	—	—	—
Under 1 month, . . .	11	8	19	2	—	2	13	8	21
From 1 to 3 months, . . .	8	9	17	1	2	3	9	11	20
3 to 6 months, . . .	4	7	11	1	1	2	5	8	13
6 to 12 months, . . .	5	2	7	3	—	3	8	2	10
1 to 2 years, . . .	3	3	6	2	1	3	5	4	9
2 to 5 years, . . .	6	5	11	1	4	5	7	9	16
5 to 10 years, . . .	3	2	5	2	2	4	5	4	9
10 to 12 years, . . .	4	1	5	—	2	2	4	3	7
Over 20 years, . . .	3	2	5	1	—	1	4	2	6
Unknown, . . .	18	5	23	3	3	6	21	8	29
Not insane, . . .	1	—	1	—	—	—	1	—	1
Total of cases, . . .	66	44	110	16	15	31	82	59	141
Total of persons, . . .	66	44	110	15	13	28	81	57	138
Average in years, . . .	$3\frac{17}{24}$	$2\frac{16}{39}$	$3\frac{1}{3}$	$3\frac{1}{4}$	$3\frac{4}{5}$	$3\frac{1}{2}$	$3\frac{29}{61}$	$2\frac{44}{51}$	$3\frac{11}{56}$

14. — Discharges, classified by Admission and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			DIED.			NOT INSANE.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . .	26	15	41	5	3	8	23	16	39	17	15	32	18	11	29	—	—	—	89	60	149
Second, . . .	2	1	3	2	4	6	4	8	12	—	5	5	1	1	2	—	—	—	9	19	28
Third, . . .	—	—	—	—	—	—	—	—	—	1	2	3	—	—	—	—	—	—	1	2	3
Fourth, . . .	1	—	1	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	1	1	2
Ninth, . . .	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
Total of cases, .	29	16	45	7	7	14	27	26	53	18	22	40	19	12	31	—	—	—	100	83	183
Total of persons, .	29	15	43	7	6	13	27	26	53	18	22	40	19	12	31	—	—	—	100	81	181

16. — Recoveries, classified by Duration of Disease and of Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Insane —												
Congenital,												
Under 1 month,	8	4	12	2	1	3	—	—	—	—	—	—
From 1 to 3 months,	3	5	8	12	4	16	—	—	—	2	1	3
3 to 6 months,	2	2	4	6	5	11	5	4	9	11	4	15
6 to 12 months,	3	2	5	5	4	9	4	5	9	7	5	12
1 to 2 years,	3	2	5	3	1	4	4	4	8	5	4	9
2 to 5 years,	1	3	4	3	1	4	3	1	4	3	1	4
5 to 10 years,	2	—	2	—	—	—	2	—	2	—	—	—
10 to 20 years,	1	—	1	—	—	—	1	—	1	—	—	—
Over 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Unknown,	5	1	6	—	—	—	5	1	6	—	—	—
Totals,	28	16	44	28	16	44	28	16	44	28	16	44
Average of known cases (in months),	23.7 ₁₂	41 ₃	16.7 ₃₉	42.5 ₂₉	7 ₈	57 ₉	29	11.1 ₁₅	22.1 ₃₉	41.5 ₂₉	7 ₈	58.1 ₅
B. — Habitual drunkards —												
From 3 to 6 months,	—	—	—	1	—	—	—	—	—	1	—	1
From 10 to 20 years,	1	—	1	—	—	—	1	—	1	—	—	—

* Whether in this or other institutions.

17. — Deaths, classified by Duration of Disease and Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Insane —												
Congenital,	1	2	3	1	1	2	1	1	2	1	1	2
Under 1 month,	3	1	4	3	1	4	1	1	2	3	1	4
From 1 to 3 months,	1	1	2	3	1	4	3	1	4	3	1	4
3 to 6 months,	1	2	3	1	1	2	1	1	2	1	1	2
6 to 12 months,	1	1	2	1	1	2	1	1	2	1	1	2
1 to 2 years,	—	—	—	2	2	4	1	1	2	2	2	4
2 to 5 years,	4	1	5	4	2	6	6	3	9	4	2	6
5 to 10 years,	1	1	2	1	5	6	2	2	4	1	5	6
10 to 20 years,	1	2	3	1	—	1	3	2	5	1	—	1
Over 20 years,	1	1	2	2	2	4	1	1	2	2	—	2
Unknown,	7	2	9	—	—	—	7	2	9	—	—	—
Totals,	19	12	31	19	12	31	19	12	31	19	12	31
Average of known cases (in months),	33 $\frac{1}{12}$	65 $\frac{7}{10}$	52 $\frac{5}{11}$	64 $\frac{6}{19}$	42 $\frac{11}{24}$	53 $\frac{3}{21}$	95 $\frac{1}{2}$	115 $\frac{7}{10}$	104 $\frac{15}{22}$	64 $\frac{9}{19}$	42 $\frac{3}{4}$	56 $\frac{5}{7}$

[illegible]

178.—*Annual Admissions, etc.* — Concluded.

[illegible]

[illegible]

20.—Showing the Results of First Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Number of persons on first admission,	—	—	—	2,096	2,043	4,139
Discharged recovered,	484	414	898	—	—	—
improved,	563	631	1,194	—	—	—
unimproved,	404	400	804	—	—	—
not insane,	15	13	28	—	—	—
Died,	467	422	889	—	—	—
Remaining in the hospital Sept 30, 1891,	163	163	326	2,096	2,043	4,139

Showing the Results of Readmissions.

Readmitted,	—	—	—	459	444	903
Discharged recovered,	115	121	236	—	—	—
improved,	135	133	268	—	—	—
unimproved,	74	78	152	—	—	—
not insane,	2	2	4	—	—	—
Died,	71	45	116	—	—	—
Remaining in the hospital Sept 30, 1891,	62	65	127	459	444	903

Showing the Results of Second Admissions.

Second admissions,	—	—	—	326	306	632
Discharged recovered,	82	66	148	—	—	—
improved,	84	93	177	—	—	—
unimproved,	57	57	114	—	—	—
not insane,	1	2	3	—	—	—
Died,	57	38	95	—	—	—
Remaining in the hospital Sept. 30, 1891,	45	50	95	326	306	632

Showing the Results of Third Admissions.

Third admissions,	—	—	—	81	65	146
Discharged recovered,	17	24	41	—	—	—
improved,	28	18	46	—	—	—
unimproved,	13	11	24	—	—	—
not insane,	1	—	1	—	—	—
Died,	11	4	15	—	—	—
Remaining in the hospital Sept. 30, 1891,	11	8	19	81	65	146

Showing the Results of Fourth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fourth admissions, . . .	—	—	—	22	31	53
Discharged recovered, . . .	8	8	16	—	—	—
improved, . . .	7	12	19	—	—	—
unimproved, . . .	2	4	6	—	—	—
Died,	2	2	4	—	—	—
Remaining in the hospital Sept. 30, 1891, . . .	3	5	8	22	31	53

Showing the Results of Fifth Admissions.

Fifth admissions, . . .	—	—	—	11	14	25
Discharged recovered, . . .	4	7	11	—	—	—
improved, . . .	4	4	8	—	—	—
unimproved, . . .	—	2	2	—	—	—
Died,	1	—	1	—	—	—
Remaining in the hospital Sept. 30, 1891, . . .	2	1	3	11	14	25

Showing the Results of Sixth Admissions.

Sixth admissions, . . .	—	—	—	7	10	17
Discharged recovered, . . .	2	5	7	—	—	—
improved, . . .	3	3	6	—	—	—
unimproved, . . .	2	2	4	7	10	17

Showing the Results of Seventh Admissions.

Seventh admissions, . . .	—	—	—	3	5	8
Discharged recovered, . . .	1	3	4	—	—	—
improved, . . .	2	—	2	—	—	—
unimproved, . . .	—	1	1	—	—	—
Died,	—	1	1	3	5	8

Showing the Results of Eighth Admissions.

Eighth admissions, . . .	—	—	—	2	3	5
Discharged recovered, . . .	1	2	3	—	—	—
improved, . . .	1	—	1	—	—	—
unimproved, . . .	—	1	1	2	3	5

Showing the Results of Ninth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Ninth admissions, . . .	—	—	—	1	2	3
Discharged recovered, . . .	—	1	1	—	—	—
improved, . . .	1	1	2	—	—	—
Remaining in the hospital Sept. 30, 1891, . . .	—	—	—	1	2	3

Showing the Results of Tenth Admissions.

Tenth admissions, . . .	—	—	—	1	1	2
Discharged recovered, . . .	—	1	1	—	—	—
improved, . . .	1	—	1	1	1	2

Showing the Results of Eleventh Admissions.

Eleventh admissions, . . .	—	—	—	1	1	2
Discharged recovered, . . .	—	1	1	—	—	—
improved, . . .	1	—	1	1	1	2

Showing the Results of Twelfth Admissions.

Twelfth admissions, . . .	—	—	—	1	1	2
Discharged recovered, . . .	—	1	1	—	—	—
improved, . . .	1	—	1	1	1	2

Showing the Results of Thirteenth Admissions.

Thirteenth admissions, . . .	—	—	—	1	1	2
Discharged recovered, . . .	—	1	1	—	—	—
improved, . . .	1	—	1	1	1	2

Showing the Results of Fourteenth Admissions.

Fourteenth admissions, . . .	—	—	—	1	1	2
Discharged recovered, . . .	—	1	1	—	—	—
improved, . . .	1	—	1	1	1	2

Showing the Results of Fifteenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteenth admissions, . . .	—	—	—	1	1	2
Discharged improved, . . .	—	1	1	—	—	—
Remaining in the hospital Sept. 30, 1891,	1	—	1	1	1	2

Showing the Results of Sixteenth Admissions.

Sixteenth admissions, . . .	—	—	—	—	1	1
Discharged improved, . . .	—	1	1	—	1	1

Showing the Results of Seventeenth Admissions. .

Seventeenth admissions, . .	—	—	—	—	1	1
Remaining in the hospital Sept. 30, 1891,	—	1	1	—	1	1

21. — *Classed Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65,	225.10	48.16	69.83	343.25
1865-66,	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67,	261.96	49.46	89.75	401.17
1867-68,	262.65	47.92	103.06	413.63
1868-69,	248.52	54.98	101.46	404.96
1869-70,	236.19	65.04	107.23	408.46
1870-71,	234.10	77.07	118.38	429.55
1871-72,	226.96	89.57	112.27	428.80
1872-73,	248.02	99.23	90.00	437.25
1873-74,	284.48	102.88	82.06	469.42
1874-75,	274.35	128.34	72.46	475.15
1875-76,	259.19	146.02	68.94	474.15
1876-77,	254.84	161.58	60.02	476.44
1877-78,	211.90	175.71	54.75	442.36
1878-79,	200.34	182.29	54.23	436.86
1879-80,	197.03	198.01	54.46	450.50
1880-81,	180.82	214.15	57.19	452.15
1881-82,	166.84	238.25	56.52	461.61
1882-83,	161.62	247.63	57.58	466.83
1883-84,	155.10	251.23	56.06	462.39
1884-85,	154.44	261.58	59.82	475.84
1885-86,	140.23	270.52	63.61	474.36
1886-87,	122.78	289.38	66.00	478.16
1887-88,	112.17	294.01	64.01	470.19
1888-89,	104.67	303.01	61.31	468.99
1889-90,	96.86	311.17	62.07	470.10
<i>Daily Average.</i>				
1890-91,	90.71	297.78	68.51	457.00

22. — *Monthly Consumption of Gas.*

MONTHS.	Cubic Feet.	Daily Average.
1890.		
October,	41,600	1,341.94
November,	60,700	2,023.33
December,	74,300	2,396.77
1891.		
January,	73,600	2,374.19
February,	57,200	2,042.85
March,	51,900	1,674.19
April,	40,100	1,336.66
May,	28,100	906.45
June,	21,600	720.00
July,	20,300	654.84
August,	27,200	877.42
September,	37,800	1,260.00
Totals,	534,400	17,608.64

23. — Supplies for the Several Departments for the Year 1890-91.

	Sheets.	Pillow Cases.	Bed Spreads.	Blankets.	Bed Ticks.	Pillow Ticks.	Towels.	Curtains.	Wash Bowls.	Bwers.	Chambers.	Mirrors.	Hair Brushes.	Combs.	Carpet Strips.	Plates.	Cups.	Saucers.	Tumblers.	Mugs.	Bowls.	Pitchers.	Knives.	Forks.
<i>Men's Department.</i>																								
Upper 1st Hall,	18	16	—	1	3	—	12	4	1	2	—	—	—	2	—	15	6	6	32	—	6	2	3	—
2d Hall,	36	24	6	6	3	—	16	—	—	—	12	1	—	4	3	6	6	18	12	18	6	2	3	—
3d and 4th Halls,	30	18	2	9	3	—	12	—	—	—	12	—	2	3	3	6	24	36	—	—	6	1	3	—
Middle 1st Hall,	30	30	—	—	4	—	10	3	—	—	22	—	—	3	4	—	18	18	—	—	6	2	—	—
2d Hall,	12	24	6	—	—	—	6	—	—	1	—	—	—	4	6	12	12	36	—	—	15	4	4	8
3d and 4th Halls,	36	24	—	16	2	—	—	5	—	—	12	1	2	6	—	6	6	—	—	—	—	—	—	—
Lower 1st Hall,	26	24	—	—	2	—	6	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
2d Hall,	24	36	—	—	1	—	6	—	1	1	18	2	1	3	16	15	12	18	—	—	2	4	1	1
3d and 4th Halls,	—	—	—	12	1	6	—	8	—	—	8	—	—	1	—	—	6	—	—	—	1	3	—	—
<i>Women's Department.</i>																								
Upper 1st Hall,	16	4	8	4	—	—	42	6	1	2	6	—	—	2	—	36	18	18	18	—	6	2	—	—
2d Hall,	40	44	12	—	5	—	48	—	—	2	12	1	—	21	2	12	24	36	18	—	—	3	—	—
3d Hall,	12	12	—	—	—	—	27	6	—	—	12	—	—	8	—	—	18	6	—	18	6	3	—	—
4th Hall,	24	—	—	—	1	—	18	—	—	—	3	—	—	—	5	24	—	6	—	—	—	—	—	—
Middle 1st Hall,	24	12	2	5	—	—	36	—	1	1	12	—	—	26	9	—	18	24	—	6	19	3	—	—
2d Hall,	12	12	2	—	2	—	24	—	4	2	7	—	—	32	7	—	—	24	—	—	—	—	—	—
3d Hall,	36	24	—	7	2	6	12	—	—	—	12	—	—	—	—	—	6	6	12	18	—	3	—	—
4th Hall,	12	—	—	—	4	6	6	—	—	—	9	—	—	19	—	—	6	6	12	—	—	3	—	—
Lower 1st Hall,	12	12	18	—	—	—	36	—	—	—	9	—	—	—	—	—	6	6	12	—	—	—	—	—
2d Hall,	60	12	6	12	4	6	12	6	—	18	12	—	—	19	9	—	18	18	6	—	6	1	—	—
3d Hall,	48	48	12	—	8	6	36	—	—	—	12	—	—	19	4	—	—	—	—	—	—	—	—	—
4th Hall,	52	24	10	1	2	—	54	10	—	1	6	—	—	10	4	6	—	24	6	—	15	4	—	—
Kitchen,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48	54	42	72	—	—	5	32	21
Rear,	12	32	3	1	1	10	26	1	2	2	4	—	—	1	2	168	—	42	2	—	—	—	—	—
Centre,	8	12	—	—	—	25	25	—	—	—	—	—	—	—	—	18	—	—	—	—	—	—	—	—
Aggregates,	580	444	85	73	37	46	454	65	10	32	185	5	10	188	79	366	252	336	190	61	100	55	55	42

23. — Supplies for the Several Departments for the Year 1890-91 — Concluded.

	Spoons.	Table Spreads.	Napkins.	Tin Plates.	Tin Cups.	Iron Spoons.	Dish Towels.	Rollers.	Wash Basins.	Brooms.	Soap, Pounds.	Whisks.	Dust Brushes.	Scrub Brushes.	Dust Pans.	Mops.	Pails.	Spittoons.	Blacking.	Shoe Brushes.	Spools Thread.	Papers Needles.	Papery Pins.	Clothes Bags.
<i>Men's Department.</i>																								
Upper 1st Hall,	58	6	2	4	1	1	1	1	15	1	1	5	1	1
2d Hall,	6	24	1	11	60	2	4	1	3	3	1	1	10	1	1	1	1	1
3d and 4th Halls,	12	18	1	13	82	2	4	1	3	3	1	1	7	1	1	1	1	1
Middle 1st Hall,	12	18	1	13	50	2	4	1	3	3	1	1	10	1	1	1	1	1
2d Hall,	12	24	1	22	86	4	3	3	3	2	2	1	12	1	4	1	1	1
3d and 4th Halls,	24	24	1	21	82	4	3	3	3	2	2	1	10	1	4	1	1	1
Lower 1st Hall,	12	12	1	7	16	1	1	4	1	2	2	1	10	1	4	1	1	1
2d Hall,	12	12	1	20	44	1	2	3	1	2	2	1	6	1	1	1	1	1
3d and 4th Halls,	18	6	1	13	68	1	2	3	1	2	1	1	6	1	1	1	1	1
<i>Women's Department.</i>																								
Upper 1st Hall,	12	6	1	7	50	2	1	1	1	1	1	1	1	1	1	4	4	2
2d Hall,	12	18	1	26	74	1	1	1	1	1	1	1	1	1	11	1	4	4
3d Hall,	12	18	1	5	38	1	1	1	1	1	1	1	1	1	6	1	6	4
4th Hall,	12	18	1	4	60	1	1	1	1	1	1	1	1	1	5	1	6	4
Middle 1st Hall,	12	18	1	17	60	1	1	1	1	1	1	1	1	1	20	1	1	1
2d Hall,	12	18	1	27	86	1	1	1	1	1	1	1	1	1	12	1	1	1
3d Hall,	12	18	1	16	64	1	1	1	1	1	1	1	1	1	12	1	1	1
4th Hall,	12	18	1	13	58	1	1	1	1	1	1	1	1	1	12	1	1	1
Lower 1st Hall,	12	18	1	13	74	1	1	1	1	1	1	1	1	1	12	1	1	1
2d Hall,	12	18	1	21	74	1	1	1	1	1	1	1	1	1	12	1	1	1
3d Hall,	12	18	1	18	46	1	1	1	1	1	1	1	1	1	12	1	1	1
4th Hall,	12	18	1	8	36	1	1	1	1	1	1	1	1	1	12	1	1	1
Kitchen,	30	18	1	56	60	1	1	1	1	1	1	1	1	1	15	1	1	1
Rear,	30	18	1	78	138	1	1	1	1	1	1	1	1	1	15	1	1	1
Centre,	30	18	1	7	90	1	1	1	1	1	1	1	1	1	1	1	1	1
Aggregates,	150	15	30	42	48	60	204	204	5	446	1,550	33	40	35	18	43	42	6	86	14	175	20	146	22

24. — *Days' Work by Patients.*

MONTHS.	FARM.	KITCHEN.			SEWING-ROOM.	LAUNDRY.		
	Men.	Men.	Women.	Totals.	Women.	Men.	Women.	Totals.
1890.								
October, .	810	124	222	346	273	25	404	429
November, .	641	120	177	297	239	27	343	370
December, .	575	124	169	293	237	22	346	368
1891.								
January, .	596	124	180	304	227	24	334	358
February, .	500	112	165	277	208	40	309	349
March, .	523	124	185	309	241	44	297	341
April, .	541	120	177	297	221	51	405	456
May, .	708	124	183	307	222	26	415	441
June, .	835	120	180	300	289	26	408	434
July, .	882	124	115	239	287	26	423	449
August, .	759	124	125	249	234	26	391	417
September, .	741	120	194	314	245	26	406	432
Totals, .	8,111	1,460	2,072	3,532	2,923	363	4,481	4,844

25. — List of Articles made in the Sewing-Room.

Dresses,	279	Spreads hemmed,	97
Skirts,	184	Table cloths,	16
Shirts,	365	Napkins hemmed,	44
Waists,	19	Hats trimmed,	44
Night dresses,	18	Collars,	95
Drawers,	119	Cushion,	1
Chemise,	227	Pillow ticks,	59
Caps,	419	Mattress ticks,	69
Aprons,	159	Clothes bags,	39
Suspenders, pairs,	180	Burial robes,	6
Camisoles,	19	Bureau spreads,	53
Curtains,	53	Ox blankets,	6
Roller towels,	312	Carpet strips hemmed,	64
Dish towels,	332	Yards carpeting made,	171
Sheets,	568	Articles repaired,	20,613
Pillow cases,	593		

26. — Upholstery done in the Year.

Hair mattresses made, new materials,	10
Hair mattresses made, new ticks,	57
Hair mattresses made, old materials,	95
Hair pillows made, new materials,	20
Hair pillows made, new ticks,	31
Hair pillows overhauled, hair repicked,	127

27.—*Annual Cost of Gas.*

YEAR.	Cost of Gas.	Average Number of Patients.	Cost per Patient.
1860-61,	\$2,030 39	314.26	\$6 46
1861-62,	2,085 29	313.80	6 64
1862-63,	2,109 02	355.63	5 93
1863-64,	2,069 79	357.63	5 78
1864-65,	1,653 05	342.40	4 82
1865-66,	1,107 98	376.35	2 94
1866-67,	1,056 16	401.03	2 63
1867-68,	1,022 51	413.41	2 47
1868-69,	903 92	405.10	2 23
1869-70,	915 30	408.83	2 23
1870-71,	1,043 99	421.90	2 47
1871-72,	980 94	428.72	2 28
1872-73,	1,006 61	437.23	2 30
1873-74,	1,066 74	469.54	2 27
1874-75,	1,012 63	475.35	2 13
1875-76,	1,089 82	474.21	2 29
1876-77,	1,033 59	476.16	2 17
1877-78,	1,066 02	442.43	2 41
1878-79,	1,033 05	436.73	2 37
1879-80,	954 00	450.51	2 10
1880-81,	949 65	451.79	2 10
1881-82,	919 13	461.66	2 00
1882-83,	992 10	466.76	2 10
1883-84,	1,031 55	463.05	2 23
1884-85,	912 49	475.94	1 92
1885-86,	882 90	474.40	1 86
1886-87,	854 97	478.54	1 97
1887-88,	901 74	470.25	1 91
1888-89,	955 51	469.10	2 04
1889-90,	977 17	470.5	2 07
1890-91,	1,016 50	457.	2 22

28. — *Trustees of the Northampton Lunatic Hospital.*

NAMES.	Residence.	When app'ted.	Service ended.	From What Cause.
Charles E. Forbes,* .	Northampton, . . .	1856	1857	Term expired.
Lucien C. Boynton,* .	Uxbridge, . . .	1856	1858	Term expired.
Eliphalet Trask,* .	Springfield, . . .	1856	1875	Term expired.
John C. Russell,* .	Great Barrington, . .	1856	1859	Resigned.
Horace Lyman, . . .	Greenfield, . . .	1856	1757	Removed.
Charles Smith, . . .	Northampton, . . .	1857	1860	Resigned.
Luther V. Bell,* . .	Somerville, . . .	1857	1859	Resigned.
Zebina L. Raymond,* .	Greenfield, . . .	1858	1859	Resigned.
Franklin Ripley,* . .	Greenfield, . . .	1859	1860	Died in office.
Edward Dickinson,* .	Amherst, . . .	1859	1864	Resigned.
Walter Lafin,* . . .	Pittsfield, . . .	1859	1866	Term expired.
Silas M. Smith,* . . .	Northampton, . . .	1860	1863	Term expired.
Charles Allen, . . .	Greenfield, . . .	1860	1861	Resigned.
Alfred R. Field,* . .	Greenfield, . . .	1861	1864	Resigned.
Edward Hitchcock, . .	Amherst, . . .	1863	1879	Resigned.
Silas M. Smith,* . . .	Northampton, . . .	1864	1887	Died in office.
Edmund H. Sawyer,* .	Easthampton, . . .	1864	1879	Died in office.
Henry L. Sabin,* . . .	Williamstown, . . .	1866	1876	Term expired.
Adams C. Deane, . . .	Greenfield, . . .	1875	—	Still in office.
Henry W. Taft, . . .	Pittsfield, . . .	1876	—	Still in office.
William M. Gaylord, . .	Northampton, . . .	1879	1883	Term expired.
Lyman D. James, . . .	Williamsburg, . . .	1879	—	Still in office.
Christopher Merritt, . .	Springfield, . . .	1883	1888	Term expired.
Sarah A. Woodworth, . .	Chicopee, . . .	1884	—	Still in office.
Sarah M. Butler, . . .	Northampton, . . .	1884	—	Still in office.
John L. Otis, . . .	Florence, . . .	1887	1890	Resigned.
N. A. Leonard,* . . .	Springfield, . . .	1888	1890	Died in office.
Alvan Barrus, . . .	Goshen, . . .	1890	—	Still in office.
Elisha Morgan, . . .	Springfield, . . .	1890	—	Still in office.

* Deceased.

29. — *Officers and Employees.*

Time employed, Oct. 1, 1891.

NAMES.	Years.	Months.	Days.
Edward B. Nims, M.D., superintendent,	22	9	16
John A. Houston, M.D., assistant physician,	2	—	7
Charles M. Holmes, M.D., assistant physician,	2	2	21
Emily F. Wells, M.D., female physician,	6	9	—
Walter B. Welton, clerk,	25	7	16
John Mercier, farmer,	24	2	—
Danford Morse, engineer,	26	6	9
Robert H. Gallivan, supervisor,	18	5	13
Lucy A. Gilbert, supervisor,	24	7	20
Thomas C. Powers, steward,	17	6	11
Matthew Powers, assistant steward,	—	2	29
George B. Walker, baker,	7	3	22
Minnie A. Smith, seamstress,	3	3	27
Belle Houghton, assistant seamstress,	—	10	8
Kate Bartlett, laundress,	—	7	—
Inez M. Field, assistant clerk,	1	9	3
Lucie L. Barrett, assistant supervisor,	5	—	12
Emma Smith, assistant laundress,	2	2	20
Mary J. Willard, assistant laundress,	—	1	28
Marion McKenzie, assistant laundress,	—	—	16
Henry W. Estey, attendant,	9	6	7
William Duff, attendant,	1	7	—
Fred S. Peters, attendant,	1	3	7
Joseph W. Shaw, attendant,	1	1	26
Darwin F. Keyes, attendant,	—	8	6
Emory L. Hill, attendant,	—	3	9
Frank Cheney, attendant,	—	—	25
Harry Frain, attendant,	—	4	20
Erwin Clark, attendant,	—	5	18
Alphonso Hould, attendant,	—	2	5
Martin Sawyer, attendant,	—	—	26
John McCalman, attendant,	—	1	—
Albertus Powers, attendant,	—	—	14
Jeanette McLean, attendant,	8	1	3
Philomene Goyette, attendant,	8	6	13
Celeste Goyette, attendant,	6	6	16
Alice A. Hawkes, attendant,	3	9	27
Marion Darling, attendant,	2	6	15
Katy A. Cook, attendant,	2	2	5
Mary Sweeney, attendant,	2	1	28
Adeline D. Morgan, attendant,	3	—	12
Mary E. McClellan, attendant,	3	2	13
Ellen Potter, attendant,	1	9	25
Hattie LeBaron, attendant,	1	2	2
Lucretia D. Pittsinger, attendant,	1	1	—
Ida D. Hyde, attendant,	—	11	28
Stella E. Boutwell, attendant,	—	4	3
Cecile Riel, attendant,	—	1	28
Maggie McKenzie, night watch,	1	—	14

29. — *Officers and Employees* — Concluded.

NAMES.	Years.	Months.	Days.
Hattie Darling, centre,	4	10	—
Sadie Kellogg, centre,	1	3	24
Ellen Mitchell, centre,	—	5	20
Carrie Wheeler, farmer's dining-room,	—	—	21
Mary Mangan, cook,	3	2	5
Alice A. Miller, assistant cook,	2	5	14
Nellie O'Leary, assistant cook,	1	2	4
Ella Lacore, assistant cook,	—	3	7
George M. Locke, assistant cook,	2	1	7
Maria B. Smith, rear,	—	4	19
William C. Hall, assistant engineer,	26	—	20
Nicholas Riel, night engineer,	15	9	25
Moses Bartlett, watchman,	2	6	25
Sifroi Belville, carpenter,	21	5	7
Walter Tower, carpenter,	13	10	—
Alfred Parenteau, painter,	26	1	18
David Mercier, coachman,	14	7	14
Benjamin Rockwell, assistant farmer,	24	4	—
Henry Wilson, assistant farmer,	12	5	8
James Madden, assistant farmer,	16	—	29
Eugene Sullivan, assistant farmer,	16	5	—
George E. Hunter, assistant farmer,	5	5	19
Hermon Miller, assistant farmer,	2	5	14
Frederick Frost, assistant farmer,	—	4	29
Peter Hould, assistant farmer,	—	4	8
James F. Whalen, assistant farmer,	—	1	7
Alfred Belville, carboy,	1	8	2
Augustus Graves, florist,	—	7	22

PUBLIC DOCUMENT

. . . . No. 21.

THIRTY-SEVENTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON LUNATIC HOSPITAL,

FOR THE

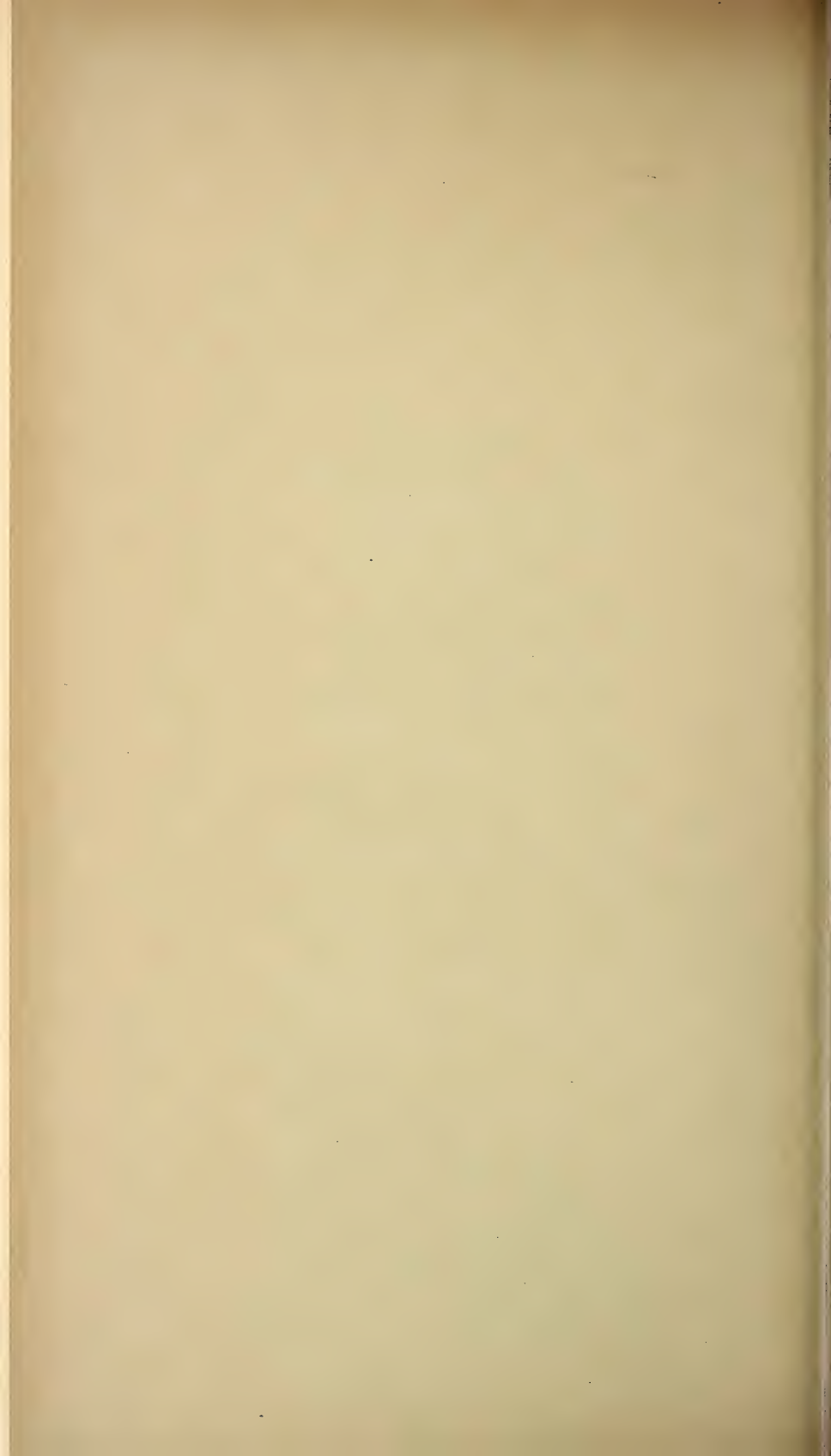
YEAR ENDING SEPTEMBER 30, 1892.

BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1893.



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FOR THE

YEAR ENDING SEPTEMBER 30, 1892.

Mass. Northampton State Hospital

BOSTON:

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1893.

24

STATE OF MASSACHUSETTS

NOV 30 1920

STATE HOUSE, BOSTON

Officers of Senate

WILLIAM A. BURNETT
GOVERNOR

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OFFICERS

OF THE

NORTHAMPTON LUNATIC HOSPITAL.

TRUSTEES.

HENRY W. TAFT, Esq.,	PITTSFIELD.
LYMAN D. JAMES, Esq.,	WILLIAMSBURG.
HON. ELISHA MORGAN,	SPRINGFIELD.
HON. ALVAN BARRUS,	GOSHEN.
MRS. SARAH A. WOODWORTH,	CHICOPEE.
MRS. SARAH M. BUTLER,	NORTHAMPTON.
ADAMS C. DEANE, M.D.,	GREENFIELD.

RESIDENT OFFICERS.

EDWARD B. NIMS, M.D.,	<i>Superintendent.</i>
JOHN A. HOUSTON, M.D.,	<i>Assistant Physician.</i>
CHARLES M. HOLMES, M.D.,	<i>Assistant Physician.</i>
JANE R. BAKER, M.D.,	<i>Female Physician.</i>
LEWIS F. BABBITT,	<i>Clerk.</i>
JOHN MERCIER,	<i>Farmer.</i>
DANFORD MORSE,	<i>Engineer.</i>

TREASURER.

EDWARD B. NIMS,	NORTHAMPTON.
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Office at the Hospital.

SUBORDINATE OFFICERS.

ROBERT H. GALLIVAN,	<i>Male Supervisor.</i>
LUCY A. GILBERT,	<i>Female Supervisor.</i>
THOMAS C. POWERS,	<i>Steward.</i>
MINNIE A. SMITH,	<i>Seamstress.</i>
EMMA G. LAMB,	<i>Laundress.</i>
GEORGE B. WALKER,	<i>Baker.</i>

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The thirty-seventh annual report of the Northampton Lunatic Hospital gives the more important results and changes for the year 1891-92. The numerous improvements which have been made and the increase in the number of admissions indicate that the work of the hospital becomes more exacting and complicated, and that the institution is becoming more of a hospital and less of an asylum.

The number of patients in the hospital Sept. 30, 1891, was 453, — men 225, women 228. One hundred and seventy-seven patients were admitted within the year, — 102 men, 75 women. The number of cases under treatment was 630, — men 327, women 303. One hundred and forty-one patients were discharged, — men 85, women 56, including 38 deaths. Four hundred and eighty-nine patients remained in the hospital Sept. 30, 1892, — men 242, women 247. The average daily number was 469.09. The largest number on any one day was 492, the smallest 446.

Thirty-seven patients were discharged as recovered, including 2 inebriates; 19 as much improved, 21 as improved, 23 not improved and 3 not insane. Of those admitted, 25 were supported by individuals, 97 by towns and cities and 53 by the State.

The number of patients committed from the general population within the year is larger by 36 than in the previous

year, and larger by 7 than in any other year since the opening of the hospital. The increase in the number of patients in the house for the year is 36. According to estimates which have been made by the State Inspector of Institutions, the normal capacity of this hospital is 394 patients. The excess at present is 95. If the numbers continue to increase for the coming year as in the past, it will be readily seen that the hospital must become greatly overcrowded. With the increase in the number of commitments there is also a large increase in the number of acute cases, which require separate rooms and special treatment.

There are in the hospital about forty patients whose residence is in the eastern part of the State. It is desirable that they be removed, so as to enable this hospital to accommodate the patients from the western district.

The meetings of the Board have been held regularly each month, with occasional visits from members in the intervals. The usual inspections of the hospital and verifications of accounts have been made regularly at these meetings. The affairs of the hospital have been conducted in the usual manner and with about the usual results.

No epidemic has prevailed, with the exception of a considerable number of cases of influenza in the winter. No suicide or serious accident has occurred. There has been a very small amount of acute disease among the patients. The number of deaths is a little larger than it has been for several years. This may be accounted for by the fact that no less than ten of the deaths were of people who were in an extremely feeble condition when admitted, and lived only a short time.

The farm has been successfully managed, and, as usual, has contributed largely to the hospital supplies.

The improvements have been carried on, several acres of waste land cleared for cultivation, new roads made and the products increased. The year has been an important one in the number of improvements that have been made in buildings. The remainder of the appropriation that was made by the Legislature of 1890-91 for enlarging the hospital and for necessary repairs, amounting to \$19,177.19, has been

expended. Of the appropriation of \$50,000 which was made at the session of the Legislature of 1891-92, \$13,321.78 has been expended. The new dormitory for male help is nearly ready for use. The carpenters' and engineers' shops are in use. Four steel boilers, each having fifteen hundred square feet of heating surface, have been placed in the boiler house, with Smith's setting. An additional story is being built over the old boiler house for rooms for female help, and the laundry will soon be removed to the same building. The building which was erected for a storehouse in 1884 is being fitted up for the reception of patients. One-half of the lower floor will be used for a dining-room, the second story will be used as a day room and the third story as a dormitory. An addition twenty-two feet square, three stories in height, is now being built, on the north side, for wash-rooms, bath-rooms and closets. A similar building has been erected adjacent to the third section of the south wing, which will contain bath-rooms and water-closets for that section. An extension twenty by twenty-five feet has been added to the west end of the same section. This addition will contain two rooms for patients, and a large open bay at the end of the corridor on each of the three stories. An iron staircase is being put into the same section, and other changes are being made which will improve the lighting and ventilation of this section. The stable for horses has been enlarged and otherwise improved. Four of the halls in the male wing have been refitted with ash doors and casings, and the floors renovated. Many other smaller improvements have been made, which do not require mention.

The financial condition of the hospital is satisfactory. The report of the treasurer is appended, giving the details:—

Cash assets September 30,	.	.	.	.	\$46,996 69
Liabilities,	.	.	.	.	6,269 72
					<hr/>
Balance,	.	.	.	.	\$40,726 97

The amount of purchased supplies on hand September 30 was estimated at \$10,040.06. The products of the farm on hand were estimated to be worth \$8,348.47.

The amount charged for board of each class of patients was as follows : —

State patients,	\$14,846 04
Town patients,	51,981 21
Private patients,	19,078 05

Dr. Emily F. Wells, after seven years of efficient service, resigned to enter upon private practice. Jane R. Baker, M.D., was appointed to fill the vacancy.

In the performance of their duties the trustees have had the co-operation of the superintendent and all other officers of the institution.

HENRY W. TAFT.
 LYMAN D. JAMES.
 ELISHA MORGAN.
 ALVAN BARRUS.
 SARAH A. WOODWORTH.
 SARAH M. BUTLER.
 ADAMS C. DEANE.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1892.

Superintendent and physician,	per year, \$2,500 00
Assistant physician, first,	" 1,500 00
Assistant physician, second,	" 600 00
Female physician,	" 500 00
Treasurer,	" 300 00
Treasurer, for clerk hire and paid to clerk,	" 200 00
Clerk,	" 1,200 00
Farmer,	" 700 00
Engineer,	" 1,200 00
Assistant clerk,	per month, 25 00
Supervisor (male),	" 40 00
Supervisor (female),	" 30 00
Assistant supervisor (female),	" 20 00
Seamstress,	" 20 00
Assistant seamstress,	" 16 00
Laundress,	" 18 00
Assistant laundresses (2),	" 18 00
Assistant laundress,	" 15 00
Baker,	" 45 00
Assistant baker,	" 20 00
Steward,	" 50 00
Assistant steward,	" 35 00
Attendants (male, 4),	" 30 00
Attendants (male, 3),	" 25 00
Attendant (male, 1),	" 23 00
Attendants (male, 6),	" 21 00
Attendants (female, 7),	" 18 00
Attendants (female, 2),	" 16 00
Attendants (female, 4),	" 15 00

Attendants (female, 4),	per month,	\$14 00
Night watch (female),	"	18 00
Housework, centre (female),	"	17 00
Housework, centre (female),	"	16 00
Housework, centre (female),	"	15 00
Cook (female),	"	18 00
Assistant cook (female),	"	16 00
Assistant cook (female),	"	15 00
Assistant cook (female),	"	14 00
Farmers' dining-room (female),	"	15 00
Housework, rear building (female),	"	15 00
Watchman,	"	30 00
Carpenter,	per day,	2 25
Carpenter,	"	2 00
Painter,	per month,	50 00
Night engineer and gardener in summer,	"	30 00
Coachman,	"	30 00
Car boy,	"	18 00
Florist,	"	50 00
Farm hands (2),	"	30 00
Farm hands (3),	"	28 00
Farm hands (2),	"	25 00
Farm hand,	"	23 00

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1892.

Live stock on farm,	\$9,186 00
Products of farm on hand,	8,348 47
Carriages and agricultural tools,	3,350 00
Machinery and mechanical fixtures,	9,620 00
Beds and bedding in inmates' department,	12,500 00
Other furniture in inmates' department,	7,000 00
Personal property of State in superintendent's department,*	8,500 00
Ready-made clothing,	2,410 16
Dry goods,	4,261 42
Provisions and groceries,	3,233 26
Drugs and medicine,	550 00
Fuel,	306 80
Library,	1,000 00
Paints and oils,	475 00
Total,	<hr/> \$70,741 11

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing-room and other departments.

TREASURER'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

I hereby present my report, as treasurer of the hospital, for the fiscal year ending with the 30th of September, 1892. It contains, as usual, an appraisal of the property of the institution, an account of the receipts and the disbursements of money during the year, and the financial condition at its close.

ASSETS.

Four hundred and ninety-three acres of land,	\$53,000 00
Hospital building,	270,000 00
Farm-house, \$1,800; brick house, \$1,800, .	3,600 00
Four dwellings,	2,000 00
Storehouse and shops,	20,000 00
Two barns,	5,000 00
Horse stable,	1,900 00
Scuillery and wood-house,	500 00
Lumber-house,	900 00
Pump-house,	700 00
Cart shed,	450 00
Coal-house,	100 00
Piggery,	3,000 00
Cattle shed,	1,150 00
Fire-proofs for oils and paints,	500 00
Two ice-houses,	450 00
	<hr/> \$363,250 00

PERSONAL ESTATE.

Stock and supplies on hand, as per inventory appended to the trustees' report,	\$70,741 11
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RECEIPTS.

Cash on hand Sept. 30, 1891,	\$28,398 34
Received from State treasurer,	14,846 04
from towns,	51,980 21
from individuals,	19,078 05
from sales,	3,487 47
from interest,	727 16
	<hr/> \$118,517 27

PAYMENTS.

1. Salaries, wages and labor,		\$31,017 31
2. Provisions and supplies:—		
Meats of all kinds,	\$31,017 31	
Fish of all kinds,	1,551 89	
Fruit and vegetables,	1,228 09	
Flour,	3,394 05	
Grain and meal for table,	262 92	
Tea, coffee and chocolate,	855 09	
Grain and meal for stock,	3,660 77	
Sugar and molasses,	1,416 16	
Butter and cheese,	4,405 25	
Salt and other groceries,	1,207 57	
All other provisions,	2,589 13	
		<hr/>
		25,293 06
3. Clothing,		3,720 45
4. Fuel and lights,		2,994 35
5. Medicines and medical supplies,		938 68
6. Furniture, beds and bedding,		1,783 57
7. Transportation and travelling expenses,		844 08
8. Ordinary construction and repairs,		2,549 74
9. Extraordinary construction and repairs,		17,939 78
10. Miscellaneous expenses, including:—		
1. Farm stock,	\$1,209 50	
2. Farm supplies,	2,439 95	
3. Water,	1,178 00	
4. Minor expenses,	1,064 11	
5. Contingencies,	1,277 09	
		<hr/>
		7,168 65
Total expenses,		<hr/>
		\$94,249 67

LIABILITIES.

Salaries and wages due Oct. 1, 1892,	\$4,006 55
Miscellaneous bills due,	2,263 17
	<hr/>
	\$6,269 72

Due the institution for board Oct. 1, 1892:—

From State,	\$3,646 50
town,	14,021 21
individuals,	5,061 38
Due from the treasurer, Sept. 30, 1892,	24,267 60
	<hr/>
	\$46,996 69

SUMMARY.

Total receipts,	\$118,517 27
Total payments,	94,249 67
	<hr/>
Cash on hand Sept. 30, 1892,	\$24,267 60

16 NORTHAMPTON LUNATIC HOSPITAL. [Oct.

Total liabilities,	\$6,269 72
Total debts due the institution,	46,996 69
Total expenditures,	94,249 67

Dividing this sum by 469.09, the average number of patients, we have the average expenditure per patient,	\$200 92
And the average weekly expenditure per patient,	3 84

Deducting from the total expenditure,	\$94,249 67
The extraordinary expenses,	17,939 78

We have the current expenses,	\$76,309 89
-----------------------------------------	-------------

Dividing \$76,309.89 by 469.09, the average number of pa- tients, we have the average expenditure per patient,	\$162 67
Making the average weekly expenditure per patient,	3 11

Adding to the current expenses,	\$76,309 89
The decrease of personal assets,	3,460 03

We have the necessary cost for the year,	\$79,769 92
----------------------------------------------------	-------------

Dividing \$79,769.92 by 469.09, the average number of pa- tients, we have, as the annual cost of each patient,	\$170 05
Making the average weekly cost of each patient,	3 27

EDWARD B. NIMS,
Treasurer.

We have examined, as auditors, the accounts of the treasurer, and found a satis-
factory voucher for every entry.

ALVAN BARRUS,
E. MORGAN,
Auditors.

FINANCIAL STATEMENT.

Of the appropriation made by the Legislature of 1891 for the purpose of enlarging the hospital and for other necessary repairs : —

Amount of appropriation,	.	.	.	.	.	.	\$30,000 00
Drawn to Sept. 30, 1891,	.	.	.	.	.	\$10,822 81	
Drawn Oct. 27, 1891,	.	.	.	.	.	5,773 25	
Nov. 30, 1891,	.	.	.	.	.	8,953 75	
Dec. 25, 1891,	.	.	.	.	.	4,450 19	
						<u> </u>	\$30,000 00

Of the appropriation made by the Legislature of 1892 for the purpose of enlarging the hospital and for other necessary repairs : —

Amount of appropriation,	.	.	.	.	.	.	\$50,000 00
Drawn July 20, 1892,	.	.	.	.	.	\$4,152 64	
Sept. 3, 1892,	.	.	.	.	.	2,445 97	
Sept. 15, 1892,	.	.	.	.	.	4,955 69	
Sept. 30, 1892,	.	.	.	.	.	1,767 48	
						<u> </u>	\$13,321 78

EDWARD B. NIMS,

Treasurer.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The superintendent herewith respectfully presents the report of this hospital for the year 1891-92. The statistics and details of the year's work are fully presented in the accompanying tables:—

1. — General Statistics of the Year.

	INSANE.			HABITUAL DRUNKARDS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1891,	225	228	453	-	-	-
Admitted within the year,	96	74	170	6	1	7
Whole number of cases within the year, .	321	302	623	6	1	7
Discharged within the year,	81	55	136	3	1	4
Viz.: as recovered at time of leaving the hospital,	15	20	35	1	1	2
as much improved,	8	10	18	1	-	1
as improved,	12	8	20	1	-	1
as not improved,	15	8	23	-	-	-
Deaths,	29	9	38	-	-	-
Patients remaining Sept. 30, 1892, . . .	239	247	486	3	-	3
Viz.: supported as State patients, . . .	45	40	85	-	-	-
supported as town patients, . . .	164	165	329	2	-	2
supported as private patients, . . .	30	42	72	1	-	1
Number of different persons within the year,	315	298	613	6	1	7
Persons admitted,	95	73	168	6	1	7
Persons recovered,	15	19	34	1	1	2
Daily average number of patients, . . .	228.24	238.92	467.16	1.80	.13	1.93
Viz : State patients,	41.75	43.89	85.64	-	-	-
town patients,	150.12	158.07	308.19	1.10	.13	1.23
private patients,	36.37	36.96	73.33	.70	-	.70

1. — General Statistics of the Year — Concluded.

	NOT INSANE.			VOLUNTARY PATIENTS.			AGGREGATE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1891, . . .	-	-	-	-	-	-	225	228	453
Admitted within the year,	-	-	-	-	-	-	102	75	177
Whole number of cases within the year,	-	-	-	-	-	-	327	303	630
Discharged within the year,	-	-	-	1	-	1	85	56	141
Viz.: as recovered at the time of leaving the hospital,	-	-	-	-	-	-	16	21	37
as much improved,	-	-	-	-	-	-	9	10	19
as improved,	-	-	-	-	-	-	13	8	21
as not improved,	-	-	-	-	-	-	15	8	23
as not insane,	2	-	2	1	-	1	3	-	3
Deaths,	-	-	-	-	-	-	29	9	38
Patients remaining Sept. 30, 1892, . .	-	-	-	-	-	-	242	247	489
Viz.: supported as State patients, . .	-	-	-	-	-	-	45	40	85
supported as town patients, . .	-	-	-	-	-	-	166	165	331
supported as private patients, . .	-	-	-	-	-	-	31	42	73
Number of different persons within the year,	2	-	2	1	-	1	324	299	623
Persons admitted,	-	-	-	-	-	-	101	74	175
Persons recovered,	-	-	-	-	-	-	16	20	36
Daily average number of patients, . .	-	-	-	.007	-	.007	230.04	239.05	469.09
Viz.: State patients,	-	-	-	-	-	-	41.75	43.89	85.64
town patients,	-	-	-	-	-	-	151.22	158.20	309.42
private patients,	-	-	-	.007	-	.007	37.07	36.96	74.03

The number of patients admitted within the year is larger by 7 than in any former year, and larger by 36 than in the preceding year, not including transfers. The year began with 453 patients. One hundred and seventy-seven cases (102 men and 75 women) were admitted within the year, making the whole number under treatment 630, — 327 men, 303 women. Of these, 7 were committed under the dipso-maniac act.

One hundred forty-one cases were discharged (85 men and 56 women), including 38 deaths; which makes the number in the hospital Sept. 30, 1892, 489, — 242 men and 247 women.

The daily average for the year was 469.09. Of the discharged, 77 returned to their homes, 13 were removed out of the State, 6 eloped, 6 were removed to almshouses and 1 to Sherborn Prison.

The number of first admissions of cases was 140, of second admissions 27, of third admissions 8, of fourth admissions 1 and of seventh admissions 1. One man was discharged, re-admitted and again discharged; 1 man and 1 woman were admitted and discharged twice within the year; 1 man and 3 women were discharged and readmitted within the year; which makes the number of persons admitted within the year 175. Persons discharged 138, and persons under treatment 623, — men 324, women 299.

STATUS OF PATIENTS.

Of the 453 patients in the hospital Oct. 1, 1891, 80 were charged to State account, 302 to towns or cities, and 71 were supported by individuals.

The commitment of patients to the hospital is by an order of the judge of some court. If any individual comes forward and assumes the responsibility of paying for the support of any patient, such patient is put upon the list of private patients. All other patients are either charged to State account or to towns or cities, according as they have legal settlements in any town or city, or not. It is often the case that the friends of patients allow them to be charged to the town in which they have a settlement, and then indemnify the town or city, in order to save expense. Recently private patients are received at lower rates than formerly, in deference to the wishes of friends who desire to pay the bills themselves.

Twenty-six of the patients admitted this year were supported by friends, 53 were wards of the State and 96 were supported by cities or towns. Of those remaining in the hospital Sept. 30, 1892, 85 are State patients, 331 town and 73 private. The weekly average of the different classes are given in the table which follows, indicating the change in status which is continually taking place.

	1890-91.			1891-92.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients,	45.35	44.55	89.90	43.04	42.48	85.52
Town patients,	148.84	147.44	296.28	152.65	157.09	309.74
Private patients,	32.41	36.16	68.57	32.52	40.75	73.27

RECOVERIES.

The number and ratios of recoveries are not large. This is owing to the large number of incurable cases that were admitted. The number reported as recovered at the time of leaving the hospital was 37. Four of these had been previously discharged as recovered. Thirty-one of those recovered had never been treated in this hospital, 4 of them were second admissions and 2 the third. The percentage of recoveries on the number admitted was 20.9, on the number of persons discharged 26.08.

DEATHS.

The percentage of deaths in a hospital is always to a certain extent accidental, depending mainly upon the age of the patient, the character of his disease, and the progress which such a disease has made when the patient was admitted. The number of deaths within the past year is the largest that it has been for the last eleven years. The special reason for this is that 10 of the men who died were in such condition when admitted as to make death almost certain within a short time. They lived a period varying from eight to thirty-five days. Twenty-nine men and 9 women are included in the list of deaths. Six patients died of paresis, 4 of heart disease, 3 of phthisis, the same number of pneumonia and epilepsy, 1 each of old age, Bright's disease, paralysis, pyæmia, abscess of the throat, enteritis and exhaustion of toxic mania. Erysipelas caused the death of 2 feeble aged men. In 4 cases exhaustion of chronic brain disease was the cause of death. Three died of exhaustion of chronic mania and 2 of exhaustion of acute melancholia.

The percentage of deaths on the whole number treated within the year was 6.03, on the daily average 8.1. The numbers and ratios of deaths since 1858 will be found in the annexed table :—

Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1892.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Aver- age No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Aver- age No. of Patients.
			Men.	Women.	Totals.		
1858-59, .	313	229.55	7	12	19	6.07	8.27
1859-60, .	398	255.96	9	18	27	6.78	10.54
1860-61, .	434	314.26	15	15	30	6.91	9.54
1861-62, .	442	313.80	9	10	19	4.29	6.05
1862-63, .	470	355.28	19	7	26	5.53	7.31
1863-64, .	475	357.63	17	30	47	9.89	13.14
1864-65, .	469	342.40	17	24	41	8.76	11.97
1865-66, .	488	376.35	18	13	31	6.35	8.23
1866-67, .	543	401.03	23	24	47	8.65	11.71
1867-68, .	565	413.41	25	17	43	7.61	10.40
1868-69, .	590	405.10	13	12	25	4.23	6.17
1869-70, .	604	408.83	22	11	33	5.46	8.07
1870-71, .	616	421.90	16	12	28	4.54	6.64
1871-72, .	619	428.72	19	18	37	5.97	8.63
1872-73, .	614	437.23	13	8	21	3.42	4.80
1873-74, .	623	469.54	14	11	25	3.99	5.32
1874-75, .	629	475.35	23	18	41	6.52	8.62
1875-76, .	629	474.21	18	19	37	5.88	7.80
1876-77, .	603	476.16	21	21	42	6.96	8.82
1877-78, .	551	442.43	14	9	23	4.17	5.19
1878-79, .	535	436.73	14	9	23	4.29	5.27
1879-80, .	559	450.51	17	12	29	5.19	6.44
1880-81, .	569	451.79	16	10	26	4.57	5.75
1881-82, .	587	461.66	24	14	38	6.47	8.23
1882-83, .	606	466.76	17	13	30	4.95	6.42
1883-84, .	605	463.05	12	13	25	4.13	5.39
1884-85, .	599	475.94	16	11	27	4.51	5.67
1885-86, .	659	474.40	14	12	26	3.94	5.48
1886-87, .	639	478.55	13	18	31	4.85	6.47
1887-88, .	635	470.25	14	17	31	4.88	6.59
1888-89, .	636	469.10	18	7	25	3.93	5.32
1889-90, .	616	470.50	12	9	21	3.40	4.46
1890-91, .	636	457.00	19	12	31	4.87	6.78
1891-92, .	630	469.09	29	9	38	6.03	8.1

WORSHIP AND ENTERTAINMENT.

The question of entertainment for patients which shall be satisfactory, and at the same time useful, taxes the ingenuity and skill of those who have it in charge, to give it sufficient variety and make it attractive. The religious exercise, the reading, the illustrated lecture, the musical assembly and the dance all have their advocates. This hospital has maintained with regularity some sort of exercise a large portion of the year, for the past twenty-eight years, and it is with satisfaction that we look back and see that the work has not been in vain. So many of those who attend give evidence that the moral effect is beneficial. While in some the effect is intellectual, in others sentiment is appealed to. The hospital has no chaplain, hence the work falls mainly on the physicians. The average attendance upon the services on Sunday was 292.

The following table gives the character of the exercises : —

Exercises in Chapel.

1. ON THE SABBATH : —

Divine worship,	52 days.
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2. ON SECULAR EVENINGS : —

(a) *Readings and Recitations, opened and closed with Music : —*

The Bible,	2 days
The Bible and selections of poetry,	30 days.
The Bible and selections of poetry and prose,	18 days.
Miscellaneous selections of prose,	72 days.
Miscellaneous selections of poetry,	9 days.
Miscellaneous selections of poetry and prose,	42 days.
Recitations,	5 days.

(b) *Other Entertainments : —*

Pictures shown with stereopticon,	7 days.
Concert,	1 day.
Lecture,	1 day.

(c) *Social Assemblies : —*

Quadrille parties,	25 days.
No assembly,	102 days.

365 days.

FARM.

The farm has been very productive under the usually good management. With the exception of a dry period in the

early spring, the weather has been favorable. The crops have been large and excellent, the hay well up to the standard. The quantity of milk has increased from year to year, as it has come to be a necessity among the feeble patients and in many acute cases where exhaustion and enfeebled digestion prevail. The daily average quantity of milk used in the house was 398 quarts; the total amount was 36,429 gallons, one-third of which is given in the table of products, the other two-thirds charged to the cost of animals and their food. The apples produced amount to 1,246 barrels, nearly all of which are used in the hospital. The custom of purchasing beef cattle of prime quality for slaughtering is still continued during a larger part of the year, which insures a good quality of beef for consumption.

Improvements are continually carried on each year, such as can be made by the regular employees, in the intervals between the busier seasons of the year, without additional expense. A tract of fertile land in the south-west part of the farm, which was entirely covered with bushes, is being cleared for cultivation. Another tract of twenty acres in the west part of the farm, covered with bushes and bowlders, has been cleared. Nearly the whole of the farm (which at present contains about 495 acres) can eventually be brought under cultivation, excepting some groups of trees. As usual, many patients have been employed in the farm work.

The following table gives the annual amount of hay produced:—

1864, estimated, . . .	40 tons.	1879, weighed, . . .	144 tons.
1865, " . . .	62 "	1880, " . . .	154 "
1866, " . . .	42 "	1881, " . . .	213 "
1867, weighed, . . .	82 "	1882, " . . .	170 "
1868, " . . .	86 "	1883, " . . .	197 "
1869, " . . .	91 "	1884, " . . .	174 "
1870, " . . .	74 "	1885, " . . .	251 "
1871, " . . .	75 "	1886, " . . .	269 "
1872, " . . .	91 "	1887, " . . .	302 "
1873, " . . .	84 "	1888, " . . .	305 "
1874, " . . .	120 "	1889, " . . .	331 "
1875, " . . .	100 "	1890, " . . .	336 "
1876, " . . .	111 "	1891, " . . .	295 "
1877, " . . .	154 "	1892, " . . .	315 "
1878, " . . .	179 "		

Eighty-eight hogs were slaughtered. The table gives the annual product of pork:—

Pork raised upon the Farm.

1865,	6,265 pounds.	1879,	13,569 pounds.
1866,	5,443 "	1880,	14,729 "
1867,	7,416 "	1881,	15,610 "
1868,	7,791 "	1882,	14,414 "
1869,	8,469 "	1883,	15,612 "
1870,	7,447 "	1884,	10,192* "
1871,	7,863 "	1885,	17,544 "
1872,	11,366 "	1886,	21,503 "
1873,	10,511 "	1887,	26,331 "
1874,	12,024 "	1888,	18,465 "
1875,	12,693 "	1889,	19,227 "
1876,	12,467 "	1890,	25,189 "
1877,	13,605 "	1891,	32,621 "
1878,	14,451 "	1892,	31,074 "

The animals on the farm Sept. 30, 1892, were: 11 oxen, 4 bulls, 66 cows, 32 heifers, 9 calves (not including those intended for slaughtering), 11 horses, 2 colts, 189 swine, 180 poultry. The following table gives the products for the year:—

List of Farm Products in 1892.

Hay (first growth), 222 tons,	\$3,552 00
Hay (after growth), 93 tons,	1,488 00
Corn fodder (dry), 35 tons,	210 00
Corn, 649 bushels,	382 91
Straw, 6 tons,	72 00
Potatoes, 2,878 bushels,	2,158 50
Broom seed, 40 bushels,	16 00
Broom brush, 600 pounds,	30 00
Carrots, 250 bushels,	100 00
Sugar beets, 377 bushels,	150 80
Beets, 160½ bushels,	80 12
Onions, 400 bushels,	300 00
Turnips, 375 bushels,	93 75
Parsnips, 60 bushels,	36 00
Beans (in shell), 197½ bushels,	197 50
Beans (string), 9½ bushels,	19 00
Pease (green), 133 bushels,	133 00
Sweet corn (green), in ear, 233 bushels,	174 50
Tomatoes, 173 bushels,	139 00

* Quantity diminished by disease.

Lettuce, 95½ bushels,	\$95 50
Cucumbers, 152½ bushels,	152 50
Squash (summer), 106 bushels,	106 00
Squash (winter), 6,650 pounds,	99 75
Melons, 27,853 pounds,	278 53
Asparagus, 34½ bushels,	70 00
Pie-plant, 127½ bushels,	127 50
Beet greens, 72 bushels,	72 00
Spinach, 57 bushels,	57 00
Cabbage, 4,059 heads,	121 77
Currants, 20½ bushels,	61 50
Apples, 1,246 barrels,	1,501 00
Pears, 29½ bushels,	29 50
Quinces, 10 bushels,	12 50
Beef, 4,784 pounds,	286 36
Veal (raised here), 2,212 pounds,	232 70
Pork, 31,074 pounds,	2,071 51
Pigs sold, 247,	672 40
Pigs, roasting, 3,	6 00
Chickens, 751 pounds,	142 69
Eggs, 565 dozen,	129 95
Milk (grass fed), 12,143 gallons,	1,942 88
Cider, 80 barrels,	160 00
Calf skins,	12 00
Young calves sold, 28,	72 00
Wood, 10 cords,	30 00
Ensilage, 125 tons,	312 50
Celery,	6 25
Posts, 30,	7 50
Husks (corn), 3 tons,	18 00
Ice, 500 tons,	500 00
Rye, 70 bushels,	49 00
Citron, 100 pounds,	2 00
Oats, 80 bushels,	32 00

 \$18,803 87

FINANCES.

The hospital depends for its income upon the products of the farm and the amounts charged for the board of patients. The hospital receives for the support of all State and town or city patients \$3.25 each per week. The average cost per patient for the year past was \$3.84. The term "support," as interpreted by law, includes board, clothing, medical attendance, damage to the property of the hospital, etc. No extra charge is allowed in the bills, except as provided in chapter 87, section 45, of the Public Statutes: "No pauper shall be discharged from the State hospital without

suitable clothing, and the trustees may furnish the same at their discretion, together with such sum of money, not exceeding twenty dollars, as they may deem necessary. Such money and the cost of such clothing, the expense of pursuing such lunatics as escape therefrom, and of burial of such as die in the hospital, shall be reimbursed to the trustees by the places of legal settlement of city and town paupers, and by the Commonwealth in the case of State paupers."

The daily average of State and town patients for the past year was 395.06. The charge for board of private patients is not uniform, but varies according to the arrangements made with the parties paying such board. The average price charged for all private patients who were in the hospital Sept. 30, 1892, was \$4.79 per week. The daily average number of this class was 74.03. The clothing and damages are charged extra. The average weekly pay per capita charged by the hospital for all its patients, State, town and private, in the course of the year, was \$3.52.

The amount of cash assets on hand is \$46,996.69, the liabilities are \$6,269.72. The purchased supplies on hand, including provisions, clothing and fuel, are estimated to cost \$10,040.06, making the working surplus of the hospital \$50,767.03. The amount expended from the regular receipts of the hospital for extraordinary repairs and improvements was \$17,939.78. In addition to this, \$19,177.19 was expended from the appropriation made by the Legislature of 1890-91, and \$12,921 from the appropriation made by the Legislature of 1891-92, for enlarging the hospital and for necessary repairs and improvements, making a total of \$50,037.97 expended within the year. The total amount of appropriations which have been made by the State and expended for the construction, repairs and improvements of the hospital, from the time of the passage of the act authorizing its erection, according to the list furnished by the State treasurer, is \$418,470.40.

ACKNOWLEDGMENTS.

Thanks are due to Mr. S. E. Bridgman, Mrs. D. D. Gorham, Miss Florence Austin and others, for magazines, papers and other reading matter; to the "N. E. Staaten Zeitung" for two copies of that paper, to the "Christian Register" for one copy for the year.

The usual stereopticon exhibitions were given by Dr. T. W. Meekins. The weekly dances were favored with music from Mr. Frank's orchestra. Many of the patients have reason to be grateful to Mrs. S. A. Woodworth and Mrs. S. M. Butler for favors received.

It gives me pleasure to acknowledge the many expressions of interest and good wishes which almost constantly come from friends for the prosperity of the hospital, and success of the efforts which are made for those under our care.

CONCLUSION.

The year has brought very few changes in the offices of the hospital. Dr. Emily F. Wells resigned her position as physician, to engage in private practice, after a long and faithful service. Jane R. Baker, M.D., was appointed to fill the vacancy, and has acceptably filled the position for about two months. The number of changes among the attendants has been larger than usual.

It is a pleasure to acknowledge the willing help which has been given by the official staff, and the assistance and support of your Board.

EDWARD B. NIMS,

Superintendent.

DIETARY OF THE NORTHAMPTON LUNATIC HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about two hundred persons, and the second to those of somewhat over three hundred.]

BILL OF FARE No. 1.

BREAKFAST.

Monday. — Tea, coffee, broiled beefsteak, potatoes, warm rolls ("biscuit"), bread and butter.

Tuesday. — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.

Wednesday. — Tea, coffee, broiled beefsteak, potatoes and warm brown (rye and Indian) bread.

Thursday. — Tea, coffee, broiled beefsteak, potatoes, warm rolls, bread and butter.

Friday. — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.

Saturday. — Tea, coffee, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.

Sunday. — Tea, coffee, cold corned beef, potatoes, warm rolls, bread, butter and fried Indian corn pudding.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable, bread, butter, boiled rice with syrup or sugar

Tuesday. — Vegetable soup, roast or stewed veal,† potatoes and one other vegetable, bread, butter and baked Indian pudding.

Wednesday. — Either fried or baked fresh fish or boiled mutton, potatoes and one other vegetable, bread, butter and berry or apple pudding, with sauce.‡

Thursday. — Vegetable soup, corned beef, potatoes and one other vegetable, bread, butter and boiled suet pudding with syrup.

* Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

† Substituted in winter by fresh pork ribs, roasted.

‡ In spring, maple syrup is used as sauce for puddings.

Friday. — Either boiled or roasted mutton* or stewed or roasted veal, potatoes and one other vegetable, bread, butter and tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable, pickles, bread, butter and baked bread pudding.

Sunday. — Cold corned beef, potatoes, warmed baked beans, pickles, bread, butter and pies, the kind varying with the season.

SUPPER.

Monday. — Tea, bread, warm corn cake, butter, hard gingerbread and a relish.†

Tuesday. — Tea, white bread, graham bread, butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.

Wednesday. — Tea, bread, butter, cookies and ginger snaps and a relish.

Thursday. — Tea, bread, butter, pie (the kind varying with the season) and cheese.

Friday. — Tea, bread, butter, cake (the kind varying) and a relish.

Saturday. — Tea, bread, butter, doughnuts and cheese.

Sunday. — Tea, bread, butter, cookies and ginger snaps and blanc-mange or corn starch.

Extra. — In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, cold corned beef, potatoes and bread.

Tuesday. — Coffee, cold roast beef, potatoes and bread.

Wednesday. — Coffee, meat stew, potatoes and warm rye and Indian corn brown bread.

Thursday. — Coffee, pickled codfish cooked in milk, potatoes and bread.

Friday. — Coffee, cold corned beef or meat stew, potatoes and bread.

Saturday. — Coffee, hash, either of meat or fish, and bread.

Sunday. — Coffee, cold baked beans, potatoes and bread.

Butter is used in two halls in the morning.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,‡ boiled hominy with molasses and bread.

* Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

† This term, used for the want of better, includes dried beef, berries, baked apples, apple sauce, and canned fruits, all of which are supplied, and each according to the season.

‡ Except two months in the spring.

Tuesday. — Vegetable soup, potatoes and one other vegetable,* baked Indian pudding† and bread.

Wednesday. — Boiled fresh fish with drawn butter sauce, potatoes and one other vegetable,* boiled hasty pudding with molasses and bread.

Thursday. — Vegetable soup, potatoes, cabbage or some other vegetable, boiled rice with molasses‡ and bread.

Friday. — Boiled codfish with drawn butter sauce, potatoes, beets or some other vegetable, boiled hasty pudding with molasses and bread.

Saturday. — Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday. — Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday. — Tea, bread and butter.

Tuesday. — Tea, bread, butter and soft gingerbread.

Wednesday. — Tea, bread, butter and some kind of relish.

Thursday. — Tea, bread and butter.

Friday. — Tea, bread, butter and soft gingerbread.

Saturday. — Tea, bread and butter.

Sunday. — Tea, bread and butter.

EXTRAS.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In four halls, sauce, of either fresh or dried apples, is furnished as often as three times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day, and either turkey or chicken on one other day in the year.

From four to five bushels of green sweet corn, in the ear, is consumed in its season, daily, with the exception of Sunday.

Tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horseradish as a condiment.

During eight months of the year, a barrel of apples is distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast, milk toast, toast with dropped egg and boiled eggs, for invalids and all who are not able to take the regular fare.

* Except two months in the spring.

† All baked puddings for the whole household are made with milk.

‡ Maple syrup is furnished, in place of molasses, three or four times in the spring.

* 2.—*Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
1891.												
October,	5	6	11	6	7	13	3	—	3	221.51	228.32	449.83
November,	9	7	16	4	3	7	1	—	1	221.8	229.66	451.46
December,	8	6	14	3	2	5	—	1	1	226.32	233.55	459.87
1892.												
January,	9	5	14	3	4	7	9	1	10	227.97	236.87	464.84
February,	9	6	15	6	3	9	1	1	2	226.17	234.48	460.65
March,	6	8	14	4	3	7	4	—	4	227.16	238.90	466.06
April,	10	9	19	6	4	10	2	—	2	226.33	241.97	468.3
May,	6	4	10	3	2	5	2	2	4	228.096	245.387	473.48
June,	11	6	17	7	6	13	1	1	2	229.2	244.06	473.26
July,	15	4	19	3	4	7	—	1	1	239.74	244.19	483.93
August,	7	7	14	6	5	11	3	—	3	243.29	245.13	488.42
September,	7	7	14	5	4	9	3	2	5	242.9	246.13	489.03
Total of cases,	102	75	177	56	47	103	29	9	38	—	—	—
Total of persons,	101	74	175	54	46	100	29	9	38	—	—	—
Daily average,	—	—	—	—	—	—	—	—	—	230.04	239.05	469.09

* For Table No. 1, see beginning of superintendent's report

3. — *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSIONS.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Total.	Males.	Females.	Totals.
First,	82	58	140	—	—	—
Second,	16	11	27	8	2	10
Third,	3	5	8	2	4	6
Fourth,	—	1	1	—	2	2
Seventh,	1	—	1	5	—	5
Total of cases, . . .	102	75	177	15	8	23
Total of persons, . .	101	74	175	9	5	14

4. — *Relations to Hospital of Persons admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Total.
Never before in any hospital for insane, .	76	56	132
Former inmates of this hospital only, .	16	16	32
of other hospitals only, .	6	2	8
of this and other hospitals,	3	—	3
Total of persons,	101	74	175

5. — *Parentage of Persons admitted.*

PLACES OF NATIVITY.	MALES.		FEMALES.		TOTAL.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine,	1	1	3	2	4	3
Vermont,	5	4	3	—	8	4
Massachusetts,	20	7	15	14	35	31
Connecticut,	10	13	—	3	10	16
Rhode Island,	1	1	2	1	3	2
New York,	5	7	4	6	9	13
New Jersey,	—	—	1	1	1	1
Pennsylvania,	—	1	—	—	—	1
Canada,	9	7	3	3	12	10
Nova Scotia,	—	1	—	—	—	1
New Brunswick,	1	1	—	—	1	1
England,	6	7	8	8	14	15
Ireland,	33	33	27	29	60	62
Scotland,	1	1	1	1	2	2
Germany,	2	1	—	—	2	1
France,	2	1	—	—	2	1
Italy,	1	1	1	—	1	1
Russia,	—	—	1	1	1	1
Sweden,	—	—	1	1	1	1
Unknown,	4	4	4	4	8	8
Totals,	101	101	74	74	175	175

6. — *Residence of Persons admitted.*

PLACES.	Males.	Females.	Total.
Hampshire County,	7	10	17
Hampden County,	51	40	91
Berkshire County,	37	11	48
Franklin County,	5	11	16
Worcester County,	1	2	3
Totals,	101	74	175
Cities or towns,*	56	41	97
Country districts,	45	33	78
Totals,	101	74	175

* Containing not less than 10,000 inhabitants.

7. — *Civil Condition of Persons admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.			TOTAL.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
First, . . .	37	22	59	38	31	69	5	5	10	2	-	2	82	58	140
Second, . . .	8	5	13	7	3	10	-	2	2	-	1	1	15	11	26
Third, . . .	2	1	3	1	3	4	-	-	-	-	-	-	3	4	7
Fourth, . . .	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1
Seventh, . . .	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Totals, . . .	48	28	76	46	38	84	5	7	12	2	1	3	101	74	175

8. — *Occupation of Persons admitted.*

MALES.

Laborers, . . .	22	Reporter, . . .	1
Carpenters, . . .	5	Shoemakers, . . .	2
Farmers, . . .	17	Stage driver, . . .	1
Mechanics, . . .	2	Lawyer, . . .	1
Machinists, . . .	4	Clerks, . . .	2
Painters, . . .	2	Blacksmith, . . .	1
Envelope cutter, . . .	1	Inspector of fire-arms, . . .	1
Brass moulder, . . .	1	Merchants, . . .	2
County commissioner, . . .	1	Teamster, . . .	1
Wire drawer, . . .	1	Travelling agent, . . .	1
Liveryman, . . .	1	Upholsterer, . . .	1
Mill operatives, . . .	10	Physician, . . .	1
Tailor, . . .	1	Dentist, . . .	1
Watchman, . . .	1	Clergyman, . . .	1
Plasterer, . . .	1	Plater, . . .	1
Shoebblack, . . .	1	Servant, . . .	1
Hostlers, . . .	2	None, . . .	6
Quarryman, . . .	1		
Pension agent, . . .	1	Totals, . . .	101
Junk dealer, . . .	1		

FEMALES.

Housekeepers, . . .	3	Music teacher, . . .	1
Domestics, . . .	13	Dress-makers, . . .	2
Waitress, . . .	1	Seamstress, . . .	1
Box maker, . . .	1	None, . . .	8
Mill operatives, . . .	6		

WIFE OF

Clergyman, . . .	1	Teamster, . . .	1
Carpenter, . . .	3	Clerk, . . .	1
Laborer, . . .	11	Calico engraver, . . .	1
Farmer, . . .	7	Mason, . . .	1
Railroad conductor, . . .	1	Carriage maker, . . .	1
Mill operative, . . .	2	Peddler, . . .	2
Shoe cutter, . . .	1	Cigar maker, . . .	2
Hat maker, . . .	1		
Physician, . . .	1	Totals, . . .	74
Railroad employee, . . .	1		

[illegible]

10. — *Record of Cases admitted within the Year.*

PATIENTS.	INSANE.			HABITUAL DRUNKARDS.			NOT INSANE.			AGGREGATE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Admitted,	96	74	170	6	1	7	—	—	—	102	75	177
Discharged recovered,	10	14	24	1	1	2	—	—	—	11	15	26
much improved,	5	7	12	1	—	1	—	—	—	6	7	13
improved,	7	3	10	1	—	1	—	—	—	8	3	11
not improved,	12	2	14	—	—	—	—	—	—	12	2	14
not insane,	—	—	—	—	—	—	2	—	2	2	—	2
Died,	8	6	14	—	—	—	—	—	—	8	6	14
Remaining Sept. 30, 1892,	52	41	93	3	—	3	—	—	—	55	42	97
Number likely to recover or improve,	11	14	25	2	—	2	—	—	—	13	14	27

11. — *Ages of Insane at First Attack, Admission and Death.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.						PERSONS DIED.					
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	-	-	-	-	-	-	-	-	-	-	-	-
15 years and less,	4	2	6	-	-	-	1	-	1	-	-	-
From 15 to 20 years, . . .	-	4	4	1	4	5	-	-	-	-	-	-
20 to 25 years,	7	9	16	9	8	17	-	2	2	1	1	2
25 to 30 years,	6	5	11	8	2	10	-	1	1	-	-	-
30 to 35 years,	5	7	12	10	6	16	1	1	2	2	-	2
35 to 40 years,	8	9	17	10	13	23	2	-	2	1	2	3
40 to 50 years,	11	12	23	17	14	31	5	3	8	5	3	8
50 to 60 years,	5	4	9	9	4	13	3	-	3	6	-	6
60 to 70 years,	4	2	6	5	5	10	5	-	5	6	1	7
70 to 80 years,	3	-	3	4	-	4	1	-	1	5	-	5
Over 80 years,	1	-	1	3	-	3	-	1	1	3	2	5
Unknown,	22	2	24	-	-	-	11	1	12	-	-	-
Not insane,	-	-	-	-	-	-	-	-	-	-	-	-
Total of persons,	76	56	132	76	56	132	29	9	38	29	9	38
Mean ages,	29.02	33.51	30.93	44.56	20.67	34.43	30.79	34.66	31.71	58.55	50.66	56.68

12. — *Reported Duration of Disease before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	1	—	1	—	—	—	1	—	1
Under 1 month, . . .	13	17	30	1	2	3	14	19	33
From 1 to 3 months, .	13	4	17	1	1	2	14	5	19
3 to 6 months, . .	7	7	14	2	—	2	9	7	16
6 to 12 months. .	6	5	11	1	2	3	7	7	14
1 to 2 years. . . .	4	6	10	2	4	6	7	10	17
2 to 5 years. . . .	8	6	14	2	5	7	10	11	21
5 to 10 years. . .	3	5	8	4	1	5	7	6	13
10 to 20 years, . .	10	5	15	5	2	7	15	7	22
Over 20 years,	4	1	5	1	1	2	5	2	7
Unknown,	5	—	5	7	1	8	13	1	14
Not insane,	2	—	2	—	—	—	—	—	—
Total of cases, . . .	76	56	132	26	19	45	102	75	177
Total of persons, . .	76	56	132	25	18	43	101	74	175
Average in years, . . .	2.23	2.64	2.40	4.32	3.63	4.03	2.75	2.88	2.80

14. — Discharges, classified by Admissions and Results.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			VOLUNTARY PATIENT.			DIED.			TOTALS.		
	Males.			Females.			Males.			Males.			Males.			Males.			Males.			Males.		
	Totals.	Females.	Totals.	Totals.	Females.	Totals.	Totals.	Females.	Totals.	Totals.	Females.	Totals.	Totals.	Females.	Totals.	Totals.	Females.	Totals.	Totals.	Females.	Totals.	Totals.	Females.	Totals.
First, . . .	14	17	31	7	9	16	10	7	17	11	3	14	2	—	2	1	—	1	24	5	29	69	41	110
Second, . . .	2	2	4	2	—	2	3	—	3	2	4	6	—	—	—	—	—	—	4	2	6	13	8	21
Third, . . .	—	2	2	—	1	1	—	—	—	2	1	3	—	—	—	—	—	—	1	2	3	3	6	9
Fourth, . . .	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	5	—	1	1
Total of cases, . . .	16	21	37	9	10	19	13	8	21	15	8	23	2	—	2	1	—	1	29	9	38	85	56	141
Total of persons, . . .	15	20	35	9	10	19	13	8	21	14	8	22	2	—	2	1	—	1	29	9	38	83	55	138

16. — Recoveries, classified by Duration of Disease and of Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Insane —												
Congenital,	7	10	17	—	—	—	—	—	—	—	—	—
Under 1 month,	1	2	3	3	5	8	3	4	7	1	8	9
From 1 to 3 months,	1	2	3	3	6	9	3	4	7	3	4	7
3 to 6 months,	—	1	1	1	3	4	3	3	6	1	5	6
6 to 12 months,	1	2	3	1	1	2	1	5	6	1	2	3
1 to 2 years,	2	—	2	1	2	3	1	1	2	—	1	1
2 to 5 years,	—	—	—	—	—	—	—	—	—	—	—	—
5 to 10 years,	1	—	1	—	—	—	1	—	1	1	—	—
10 to 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Over 20 years,	2	3	5	—	—	—	3	3	6	—	—	—
Unknown,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	15	20	35	15	20	35	15	20	35	15	20	35
Average of known cases (in months),	15.03	2.55	7.9	3.63	5.3	4.58	13.86	6.5	9.65	13.33	6.9	9.65
B. — Habitual drunkards —												
Under 1 month,	—	—	—	—	—	—	—	—	—	—	—	—
From 1 to 3 months,	1	—	1	1	1	2	1	1	2	—	1	1
Unknown,	—	1	1	—	—	—	—	1	1	—	—	—
Totals,	1	1	2	1	1	2	1	1	2	1	1	2

[illegible]

18. — *Annual Admissions, etc.* — Concluded.

[illegible]

[illegible]

[illegible]

20. — Showing the Results of First Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Number of persons on first admissions,	—	—	—	2,178	2,101	4,279
Discharged recovered,	498	431	929	—	—	—
improved,	580	645	1,225	—	—	—
unimproved,	415	403	818	—	—	—
not insane,	18	13	31	—	—	—
Died,	491	427	918	—	—	—
Remaining in the hospital Sept. 30, 1892,	176	182	363	2,178	2,101	4,279

Showing the Results of Readmissions.

Readmitted,	—	—	—	479	461	940
Discharged recovered,	117	125	242	—	—	—
improved,	140	137	277	—	—	—
unimproved,	78	83	161	—	—	—
not insane,	2	2	4	—	—	—
Died,	76	49	125	—	—	—
Remaining in the hospital Sept. 30, 1892,	66	65	131	479	461	940

Showing the Results of Second Admissions.

Second admissions,	—	—	—	342	317	659
Discharged recovered,	84	68	152	—	—	—
improved,	89	95	184	—	—	—
unimproved,	59	61	120	—	—	—
not insane,	1	2	3	—	—	—
Died,	61	40	101	—	—	—
Remaining in the hospital Sept. 30, 1892,	48	51	99	342	317	659

Showing the Results of Third Admissions.

Third admissions,	—	—	—	84	70	154
Discharged recovered,	17	26	43	—	—	—
improved,	28	19	47	—	—	—
unimproved,	15	12	27	—	—	—
not insane,	1	—	1	—	—	—
Died,	12	6	18	—	—	—
Remaining in the hospital Sept. 30, 1892,	11	7	18	84	70	154

Showing the Results of Fourth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fourth admissions, . . .	—	—	—	22	32	54
Discharged recovered, . . .	8	8	16	—	—	—
improved, . . .	7	13	20	—	—	—
unimproved, . . .	2	4	6	—	—	—
Died, . . .	2	2	4	—	—	—
Remaining in the hospital Sept. 30, 1892, . . .	3	5	8	22	32	54

Showing the Results of Fifth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifth admissions, . . .	—	—	—	11	14	25
Discharged recovered, . . .	4	7	11	—	—	—
improved, . . .	4	4	8	—	—	—
unimproved, . . .	—	2	2	—	—	—
Died, . . .	1	—	1	—	—	—
Remaining in the hospital Sept. 30, 1892, . . .	2	1	3	11	14	25

Showing the Results of Sixth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Sixth admissions, . . .	—	—	—	7	10	17
Discharged recovered, . . .	2	5	7	—	—	—
improved, . . .	3	3	6	—	—	—
unimproved, . . .	2	2	4	7	10	17

Showing the Results of Seventh Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Seventh admissions, . . .	—	—	—	4	5	9
Discharged recovered, . . .	1	3	4	—	—	—
improved, . . .	2	—	2	—	—	—
unimproved, . . .	—	1	1	—	—	—
Died, . . .	—	1	1	—	—	—
Remaining in the hospital Sept. 30, 1892, . . .	1	—	1	4	5	9

Showing the Results of Eighth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Eighth admissions, . . .	—	—	—	2	3	5
Discharged recovered, . . .	1	2	3	—	—	—
improved, . . .	1	—	1	—	—	—
unimproved, . . .	—	1	1	2	3	5

Showing the Results of Ninth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Ninth admissions, . . .	-	-	-	1	2	3
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	1	2	1	2	3

Showing the Results of Tenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Tenth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing the Results of Eleventh Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Eleventh admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing the Results of Twelfth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Twelfth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing the Results of Thirteenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Thirteenth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing the Results of Fourteenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fourteenth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing the Results of Fifteenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteenth admissions, . . .	-	-	-	1	1	2
Discharged improved, . . .	-	1	1	-	-	-
Remaining in the hospital Sept. 30, 1892, . . .	1	-	1	1	1	2

Showing the Results of Sixteenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Sixteenth admissions, . .	-	-	-	-	1	1
Discharged improved, . .	-	1	1	-	1	1

Showing the Results of Seventeenth Admissions.

Seventeenth admissions, . .	-	-	-	-	1	1
Remaining in the hospital Sept. 30, 1892,	-	1	1	-	1	1

21. — Operations of the Hospital, from the Beginning, in Each Year.

	ADMITTED.			RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			Whole Number of Cases in the Year.	Number of Patients at end of the Year.
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.		
1858,—2 months,	99	129	228	—	—	—	—	—	—	4	—	4	2	2	4	—	—	—	—	—	—	—	
1858-59,	46	47	93	18	15	33	9	9	18	7	5	12	7	5	12	—	—	—	7	12	19	313	
1859-60,	73	94	167	19	16	35	12	10	22	2	2	4	2	2	4	—	—	—	9	18	27	398	
1860-61,	71	53	124	18	17	35	14	14	28	4	7	11	4	7	11	—	—	—	15	15	30	434	
1861-62,	64	48	112	19	15	34	—	—	—	27	15	42	9	5	14	1	—	—	9	10	19	442	
1862-63,	70	68	138	12	16	28	—	—	—	16	10	26	4	3	7	—	—	—	19	7	26	470	
1863-64,	47	45	92	30	19	49	—	—	—	19	15	34	4	6	10	—	1	—	17	30	47	475	
1864-65,	70	64	134	17	16	33	—	—	—	14	15	29	8	5	13	—	—	—	17	24	41	468	
1865-66,	75	61	136	16	10	26	—	—	—	12	7	19	5	2	7	—	—	—	18	13	31	488	
1866-67,	61	77	138	24	18	42	—	—	—	15	13	28	6	7	13	—	—	—	23	24	47	543	
1867-68,	68	84	152	21	19	40	—	—	—	22	27	49	5	7	12	—	—	—	25	18	43	565	
1868-69,	84	85	169	31	18	49	—	—	—	23	33	56	20	38	58	—	—	—	13	12	25	590	
1869-70,	90	112	202	23	27	50	—	—	—	15	43	58	22	34	56	—	2	2	22	11	33	604	
1870-71,	109	102	211	16	27	43	—	—	—	23	41	64	31	30	61	—	—	—	16	12	28	616	
1871-72,	101	98	199	25	15	40	—	—	—	33	27	60	22	27	49	—	—	—	19	18	37	619	
1872-73,	102	79	181	19	29	48	—	—	—	37	22	59	23	29	52	—	1	1	13	8	21	614	
1873-74,	105	88	193	25	12	37	—	—	—	24	19	43	27	18	45	—	—	—	14	11	25	626	
1874-75,	75	78	153	16	13	29	—	—	—	21	24	45	17	21	38	—	—	—	23	18	41	629	
1875-76,	76	77	153	19	13	32	—	—	—	18	31	49	24	23	47	—	—	—	18	19	37	629	

1876-77,	.	68	71	139	15	18	33	-	-	-	8	13	21	15	17	32	-	-	-	21	21	42	603	475	
1877-78,	.	40	36	76	7	19	26	-	-	-	17	27	44	16	13	29	-	-	-	14	9	23	551	429	
1878-79,	.	63	43	106	13	13	26	-	-	-	15	13	28	11	3	14	1	1	1	2	14	9	23	535	442
1879-80,	.	59	58	117	16	12	28	5	7	12	11	12	23	9	10	19	2	-	-	2	17	12	29	559	446
1880-81,	.	57	66	123	7	13	20	6	7	13	15	15	30	6	10	16	1	-	1	16	10	26	569	463	
1881-82,	.	62	124	13	13	15	28	4	9	13	7	14	21	14	13	27	-	1	1	24	14	38	587	459	
1882-83,	.	73	69	147	11	17	28	9	-	9	18	15	33	21	14	35	1	1	1	2	17	13	30	606	469
1883-84,	.	61	75	136	9	16	25	6	11	17	16	19	35	16	20	36	3	1	4	12	13	25	605	463	
1884-85,	.	66	70	136	17	12	29	4	5	9	12	17	29	10	16	26	1	2	3	16	11	27	599	476	
1885-86,	.	85	98	183	10	19	29	8	2	10	23	36	59	20	23	43	1	-	1	14	12	26	659	491	
1886-87,	.	72	76	148	16	8	24	5	3	8	36	31	67	21	16	37	1	2	3	13	18	31	639	469	
1887-88,	.	87	79	166	23	13	36	3	6	9	25	22	47	12	17	29	2	-	2	14	17	31	635	481	
1888-89,	.	98	57	155	27	15	42	6	6	12	25	40	65	35	8	43	2	1	3	18	7	25	636	446	
1889-90,	.	91	79	170	18	14	32	5	9	14	17	17	34	12	5	17	1	2	3	12	9	21	616	495	
1890-91,	.	82	59	141	29	16	45	7	7	14	27	26	53	18	22	40	-	-	-	19	12	31	636	453	
1891-92,	.	102	75	177	16	21	37	9	10	19	13	8	21	15	8	23	3	-	3	29	9	38	630	489	
Totals,	.	2,657	2,562	5,219	615	556	1,171	77	82	159	643	700	1,343	493	486	979	20	15	35	567	476	1,043	-	-	

22. — *Classed Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65, . . .	225.10	48.16	69.83	343.25
1865-66, . . .	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67, . . .	261.96	49.46	89.75	401.17
1867-68, . . .	262.65	47.92	103.06	413.63
1868-69, . . .	248.52	54.98	101.46	404.96
1869-70, . . .	236.19	65.04	107.23	408.46
1870-71, . . .	234.10	77.07	118.38	429.55
1871-72, . . .	226.96	89.57	112.27	428.80
1872-73, . . .	248.02	99.23	90.00	437.25
1873-74, . . .	284.48	102.88	82.06	469.42
1874-75, . . .	274.35	128.34	72.46	475.15
1875-76, . . .	259.19	146.02	68.94	474.15
1876-77, . . .	254.84	161.58	60.02	476.44
1877-78, . . .	211.90	175.71	54.75	442.36
1878-79, . . .	200.34	182.29	54.23	436.86
1879-80, . . .	197.03	198.01	54.46	450.50
1880-81, . . .	180.82	214.15	57.19	452.15
1881-82, . . .	166.84	238.25	56.52	461.61
1882-83, . . .	161.62	247.63	57.58	466.83
1883-84, . . .	155.10	251.23	56.06	462.39
1884-85, . . .	154.44	261.58	59.82	475.84
1885-86, . . .	140.23	270.52	63.61	474.36
1886-87, . . .	122.78	289.38	66.00	478.16
1887-88, . . .	112.17	294.01	64.01	470.19
1888-89, . . .	104.67	303.01	61.31	468.99
1889-90, . . .	96.86	311.17	62.07	470.10
<i>Daily Average.</i>				
1890-91, . . .	90.71	297.78	68.51	457.00
1891-92, . . .	85.64	309.42	74.03	469.09

24. — Supplies for the Several Departments for the Year 1891 — 92.

	Sheets.	Pillow Cases.	Bed Spreads.	Blankets.	Bed Ticks.	Towels.	Curtains.	Wash Bowls.	Ewers.	Chambers.	Mirrors.	Hair Brushes.	Combs.	Carpet Strips.	Plates.	Cups.	Saucers.	Tumblers.	Mugs.	Bowls.	Pitchers.	Knives.	Forks.	Vegetable Dishes.	Sand Soap.	Pillow Ticks.
<i>Men's Department.</i>																										
Upper 1st Hall,	12	—	—	10	3	12	12	2	3	8	1	2	2	1	—	18	6	24	—	—	—	—	—	—	—	—
2d Hall,	12	30	—	3	10	—	6	—	—	4	3	2	3	3	18	18	24	30	—	12	—	—	—	—	16	—
3d and 4th Halls,	54	24	6	6	1	6	4	—	—	15	—	2	3	3	—	18	18	18	18	—	—	—	—	—	11	—
Middle 1st Hall,	4	30	—	—	—	4	4	—	—	7	—	2	—	—	18	6	6	6	18	—	—	—	—	—	20	—
2d Hall,	36	24	—	13	7	—	12	—	—	6	—	2	4	4	—	12	12	4	—	—	—	—	—	—	15	—
3d and 4th Halls,	36	30	6	7	4	—	4	—	—	27	2	3	2	—	16	24	6	3	—	4	—	—	—	—	25	—
Lower 1st Hall,	24	36	—	—	1	—	—	—	—	5	1	—	—	—	6	36	6	—	—	—	—	—	—	—	2	11
2d Hall,	62	44	2	12	1	—	—	—	—	22	—	—	4	7	—	—	—	—	—	—	—	—	—	—	15	12
3d and 4th Halls,	28	36	2	26	—	—	—	—	—	28	1	2	2	—	16	24	24	—	—	6	4	2	2	—	9	—
<i>Women's Department.</i>																										
Upper 1st Hall,	24	24	6	6	—	36	12	2	2	—	—	—	—	—	18	12	18	42	—	18	3	3	—	—	4	—
2d Hall,	—	12	—	1	1	12	7	2	2	—	—	—	18	—	—	12	12	24	—	—	—	—	—	—	2	2
3d Hall,	36	—	6	12	—	12	6	—	—	6	—	—	12	—	—	12	12	—	—	—	—	—	—	—	3	6
4th Hall,	36	18	—	6	1	12	6	—	—	—	—	—	11	—	18	12	6	12	6	—	—	—	—	—	5	—
Middle 1st Hall,	18	12	12	—	—	18	13	1	—	6	—	—	10	1	—	24	6	54	—	—	—	—	—	—	6	—
2d Hall,	42	36	12	—	—	24	7	—	—	18	—	—	34	—	12	36	48	12	6	42	—	—	—	—	5	—
3d Hall,	52	—	—	1	—	24	—	—	—	6	1	—	39	12	—	—	—	6	—	—	—	—	—	—	1	3
4th Hall,	36	12	—	—	—	12	—	—	—	—	—	—	14	—	6	6	18	—	6	12	—	—	—	—	1	—
Lower 1st Hall,	60	36	—	—	—	54	6	—	—	6	—	—	23	—	6	6	18	12	—	18	1	4	—	—	1	—
2d Hall,	96	48	18	26	6	54	12	—	—	42	—	1	38	8	—	6	18	6	—	—	—	—	—	—	2	—
3d Hall,	24	12	—	12	—	12	11	1	—	18	—	—	30	3	18	18	30	18	—	36	6	—	—	—	1	—
4th Hall,	36	28	2	12	—	—	—	—	—	12	—	—	14	—	54	36	18	48	—	24	7	18	12	25	6	—
Kitchen,	16	24	1	4	—	—	—	—	—	—	—	—	4	—	132	—	—	—	—	1	3	6	—	—	1	—
Rear,	12	12	1	—	—	36	—	—	—	—	—	—	1	—	12	30	18	18	1	6	6	—	—	—	10	—
Centre,	12	12	1	—	—	29	4	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Aggregates,	756	528	74	174	41	357	122	8	7	240	9	13	266	44	350	348	288	323	37	196	63	63	30	37	163	37

24. — Supplies for the Several Departments for the Year 1891-92 — Concluded.

	Spoons.	Table Spreads.	Napkins.	Tin Plates.	Tin Cups.	Iron Spoons.	Dish Towels.	Rollers.	Wash Basins.	Brooms.	Soap, Pounds.	Whisks.	Dust Brushes.	Scrub Brushes.	Dust Pans.	Mops.	Pails.	Spittoons.	Blacking.	Shoe Brushes.	Spoils Thread.	Papers Needles.	Papers Pins.	Clothes Bags.
<i>Men's Department.</i>																								
Upper 1st Hall,	6	-	-	12	52	4	4	5	1	2	2	2	1	11	1	1	1	1
2d Hall,	.	12	.	.	.	1	12	12	1	16	64	3	3	3	1	5	4	1	5	1	4	1	1	1
3d and 4th Halls,		12	12		15	76	4	4	3	2	6	2	2	6	1	1	2	2	2
Middle 1st Hall,	1	12	12	1	10	60	2	2	3	1	1	1	2	8	1	4	1	1	1
2d Hall,		12	6	1	17	90	3	3	3	2	4	4	4	6	1	1	1	1	1
3d and 4th Halls,	2	18	24		19	98	3	5	3	1	4	3	1	7	1	1	1	1	1
Lower 1st Hall,		6	12	1	10	26	2	2	3	1	7	1	1	7	1	2	1	1	1
2d Hall,		30	24	1	24	48	2	3	3	1	4	3	2	4	1	2	1	1	1
3d and 4th Halls,		24	34	1	32	68	-	1	4	2	7	2	1	3	1	2	1	1	1
<i>Women's Department.</i>																								
Upper 1st Hall,	-	12	12	-	8	54	1	2	1	1	3	2	2	-	-	8	1	4	1
2d Hall,	-	-	-	-	30	82	1	1	1	1	1	1	1	-	-	16	3	6	1
3d Hall,	-	-	-	-	9	60	1	1	1	1	2	1	1	-	-	14	3	10	-
4th Hall,	-	-	-	-	5	64	1	1	1	1	1	1	1	-	-	8	3	4	1
Middle 1st Hall,	-	12	-	-	16	78	2	2	2	1	2	1	2	-	-	18	2	4	1
2d Hall,	36	-	-	-	24	88	1	1	1	1	14	2	-	-	-	16	5	10	-
3d Hall,	-	-	-	-	11	70	-	1	1	1	9	1	-	1	1	18	4	13	-
4th Hall,	36	-	-	1	8	72	-	1	3	1	1	1	-	1	1	13	2	7	-
Lower 1st Hall,	1	-	-	1	13	84	1	3	-	1	3	2	2	1	-	22	3	6	-
2d Hall,	24	-	-	1	26	80	1	2	1	3	13	2	2	-	-	16	6	23	-
3d Hall,	-	12	-	1	17	66	-	1	1	1	12	2	-	-	-	12	4	11	-
4th Hall,	-	36	-	-	8	38	-	1	1	1	3	1	1	1	1	12	3	7	-
Kitchen,	-	-	18	-	52	59	-	6	3	2	5	12	2	3	3	-	-	25	3
Rear,	-	12	-	1	77	168	11	1	1	1	2	8	1	2	-	-	-	1	1
Centre,	-	-	-	-	4	86	2	1	1	2	2	1	-	2	-	-	-	-	1
Aggregates,	100	204	154	9	463	1,731	43	49	32	20	95	59	12	68	6	192	39	128	12

25. — Days' Work by Patients.

MONTHS.	FARM.	KITCHEN.			SEWING-ROOM.	LAUNDRY.		
	Men.	Men.	Women.	Totals.	Women.	Men.	Women.	Totals.
1891.								
October, .	639	124	187	311	272	27	392	419
November, .	642	120	147	267	218	24	319	343
December, .	691	124	144	268	236	19	392	411
1892.								
January, .	555	124	156	280	234	30	364	394
February, .	553	116	150	266	254	23	364	387
March, .	588	124	179	303	259	25	432	457
April, .	640	120	171	291	291	22	364	386
May, .	607	124	165	289	271	22	370	392
June, .	654	120	148	268	262	26	391	417
July, .	684	124	153	277	250	26	361	387
August, .	643	124	159	283	337	27	380	407
September, .	647	120	161	281	289	24	389	413
Totals, .	7,543	1,464	1,920	3,384	3,173	295	4,518	4,813

26. — List of Articles made in the Sewing-room.

Dresses,	363	Pillow cases,	538
Skirts,	142	Spreads hemmed,	75
Shirts,	206	Table cloths,	22
Waists,	39	Napkins,	72
Night dresses,	20	Hats trimmed,	14
Drawers,	169	Pillow ticks,	16
Chemise,	177	Mattress ticks,	63
Aprons,	176	Feather ticks,	6
Caps,	307	Clothes bags,	10
Suspenders,	86	Ox blankets,	2
Camisoles,	25	Meat cloths,	2
Curtains,	141	Yards carpeting made,	451
Roller towels,	230	Carpet strips hemmed,	110
Dish towels,	411	Articles repaired,	18,018
Sheets,	717		

27. — Upholstery done in the Year.

Hair mattresses made, new materials,	23
Hair mattresses made, new ticks,	54
Hair mattresses made, old materials,	87
Hair pillows made, new materials,	28
Hair pillows made, new ticks,	51
Hair pillows overhauled, hair repicked,	146

28. — *Annual Cost of Gas.*

YEAR.	Cost of Gas.	Average Number of Patients.	Cost per Patient.
1860-61,	\$2,030 39	314.26	\$6 46
1861-62,	2,085 29	313.80	6 64
1862-63,	2,109 02	355.63	5 93
1863-64,	2,069 79	357.63	5 78
1864-65,	1,653 05	342.40	4 82
1865-66,	1,107 98	376.35	2 94
1866-67,	1,056 16	401.03	2 63
1867-68,	1,022 51	413.41	2 47
1868-69,	903 92	405.10	2 23
1869-70,	915 30	408.83	2 23
1870-71,	1,043 99	421.90	2 47
1871-72,	980 94	428.72	2 28
1872-73,	1,006 61	437.23	2 30
1873-74,	1,066 74	469.54	2 27
1874-75,	1,012 63	475.35	2 13
1875-76,	1,089 82	474.21	2 29
1876-77,	1,033 59	476.16	2 17
1877-78,	1,066 02	442.43	2 41
1878-79,	1,033 05	436.73	2 37
1879-80,	954 00	450.51	2 10
1880-81,	949 65	451.79	2 10
1881-82,	919 13	461.66	2 00
1882-83,	992 10	466.76	2 10
1883-84,	1,031 55	463.05	2 23
1884-85,	912 49	475.94	1 92
1885-86,	882 90	474.40	1 86
1886-87,	854 97	478.54	1 97
1887-88,	901 74	470.25	1 91
1888-89,	955 51	469.10	2 04
1889-90,	977 17	470.5	2 07
1890-91,	1,016 50	457.	2 22
1891-92,	1,083 19	469.09	2 31

29. — *Trustees of the Northampton Lunatic Hospital.*

NAMES.	Residence.	When app'ted.	Service ended.	From What Cause.
Charles E. Forbes,* .	Northampton, . .	1856	1857	Term expired.
Lucien C. Boynton,* .	Uxbridge, . . .	1856	1858	Term expired.
Eliphalet Trask,* .	Springfield, . .	1856	1875	Term expired.
John C. Russell,* .	Great Barrington, .	1856	1859	Resigned.
Horace Lyman, . .	Greenfield, . . .	1856	1857	Removed.
Charles Smith,* . .	Northampton, . .	1857	1860	Resigned.
Luther V. Bell,* . .	Somerville, . . .	1857	1859	Resigned.
Zebina L. Raymond,* .	Greenfield, . . .	1858	1859	Resigned.
Franklin Ripley,* .	Greenfield, . . .	1859	1860	Died in office.
Edward Dickinson,* .	Amherst, . . .	1859	1864	Resigned.
Walter Laffin,* . .	Pittsfield, . . .	1859	1866	Term expired.
Silas M. Smith,* . .	Northampton, . .	1860	1863	Term expired.
Charles Allen, . .	Greenfield, . . .	1860	1861	Resigned.
Alfred R. Field,* . .	Greenfield, . . .	1861	1864	Resigned.
Edward Hitchcock, .	Amherst, . . .	1863	1879	Resigned.
Silas M. Smith,* . .	Northampton, . .	1864	1887	Died in office.
Edmund H. Sawyer,* .	Easthampton, . .	1864	1879	Died in office.
Henry L. Sabin,* . .	Williamstown, . .	1866	1876	Term expired.
Adams C. Deane, . .	Greenfield, . . .	1875	—	Still in office.
Henry W. Taft, . .	Pittsfield, . . .	1876	—	Still in office.
William M. Gaylord, .	Northampton, . .	1879	1883	Term expired.
Lyman D. James, . .	Williamsburg, . .	1879	—	Still in office.
Christopher Merritt, .	Springfield, . . .	1883	1888	Term expired.
Sarah A. Woodworth, .	Chicopee, . . .	1884	—	Still in office.
Sarah M. Butler, . .	Northampton, . .	1884	—	Still in office.
John L. Otis, . . .	Florence, . . .	1887	1890	Resigned.
N. A. Leonard,* . .	Springfield, . . .	1888	1890	Died in office.
Alvan Barrus, . . .	Goshen, . . .	1890	—	Still in office.
Elisha Morgan, [. .	Springfield, . . .	1890	—	Still in office.

* Deceased.

30. — *Officers and Employees.*

Time employed, Oct. 1, 1892.

NAMES.	Years.	Months.	Days.
Edward B. Nims, M.D., superintendent,	23	9	16
John A. Houston, M.D., assistant physician,	3	—	7
Charles M. Holmes, M.D., assistant physician,	3	2	21
Jane R. Baker, M.D., female physician,	—	1	28
Lewis F. Babbitt, clerk,	—	11	19
John Mercier, farmer,	25	2	—
Danford Morse, engineer,	27	6	9
Robert H. Gallivan, supervisor,	19	5	13
Lucy A. Gilbert, supervisor,	25	7	20
Thomas C. Powers, steward,	18	6	11
Matthew Powers, assistant steward,	1	2	29
George B. Walker, baker,	8	3	22
Minnie A. Smith, seamstress,	4	9	28
Belle Houghton, assistant seamstress,	1	10	8
Emma G. Lamb, laundress,	—	8	—
Inez M. Field, assistant clerk,	2	9	3
Lucie L. Barrett, assistant supervisor,	6	—	12
Emma Smith, assistant laundress,	3	2	20
Mary A. McKenzie, assistant laundress,	1	—	16
Chloe L. Marks, assistant laundress,	—	4	—
Henry W. Estey, attendant,	10	6	7
Martin Sawyer, attendant,	1	—	26
Albertus A. Powers, attendant,	1	—	14
Charles E. Critchett, attendant,	—	10	26
William E. Larabee, attendant,	—	8	15
Martin V. B. Vance, attendant,	—	8	7
Harry F. Sanderson, attendant,	—	7	12
David Lynch, attendant,	—	3	28
Samuel L. Williams, attendant,	—	3	4
John Mariz, attendant,	—	3	4
Charles Smith, attendant,	—	1	9
Stephen Larkin, attendant,	—	1	6
Charles J. Downey, attendant,	—	1	4
Chauncey Cameron, attendant,	—	—	5
Jeanette McLean, attendant,	9	1	3
Mary Sweeney, attendant,	6	9	9
Adeline D. Morgan, attendant,	4	—	12
Ellen C. Potter, attendant,	2	9	25
Lucretia D. Pittsinger, attendant,	2	1	—
Cecile Riel, attendant,	14	8	9
Emma F. Matoon, attendant,	—	5	17
Luella Field, attendant,	—	4	20
Mary W. Imlay, attendant,	—	3	17
Jennie E. O'Brien, attendant,	—	3	29
Mary Cook, attendant,	—	4	—
Lida A. Hodgkins, attendant,	—	2	22
Lovesta Allen, attendant,	—	2	16
Mary A. Dobson, attendant,	—	1	9

30. — *Officers and Employees* — Concluded.

NAMES.	Years.	Months.	Days.
Elizabeth A. Clark, attendant,	—	—	12
Nora Mullane, attendant,	—	—	11
Lizzie Bycraft, attendant,	1	—	1
Stella E. Boutwell, night watch,	2	—	1
Hattie Darling, centre,	5	10	—
Abbie Larabee, centre,	—	8	5
Hattie LeBaron, centre,	2	2	2
Alice A. Hawkes, farmers' dining-room,	4	9	27
Alice A. Miller, cook,	3	5	14
Ella Lacore, assistant cook,	1	3	7
Minnie Reardon, assistant cook,	—	6	1
Mary Donovan, assistant cook,	—	2	22
Nellie O'Leary, assistant cook,	1	3	17
Maria B. Smith, rear,	1	4	19
William C. Hall, assistant engineer,	27	—	20
Nicholas Riel, night engineer,	16	9	25
William Duff, watchman,	2	7	—
Sifroi Belleville, carpenter,	22	5	7
Walter Tower, carpenter,	14	10	—
Alfred Parenteau, painter,	27	1	18
David Mercier, coachman,	15	7	14
Benjamin Rockwell, assistant farmer,	25	4	—
Henry Wilson, assistant farmer,	13	5	8
James Madden, assistant farmer,	17	—	29
Eugene Sullivan, assistant farmer,	17	5	—
George E. Hunter, assistant farmer,	6	5	19
Hermon Miller, assistant farmer,	3	5	14
Eugene L. Hathaway, assistant farmer,	—	5	20
Patrick Eagan, assistant farmer,	—	1	8
Walter T. Stephens, assistant baker,	—	5	12
Alfred Belleville, car-boy,	2	8	2
Augustus Graves, florist,	1	7	22



PUBLIC DOCUMENT

. . . . No. 21.

THIRTY-EIGHTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON LUNATIC HOSPITAL,

FOR THE

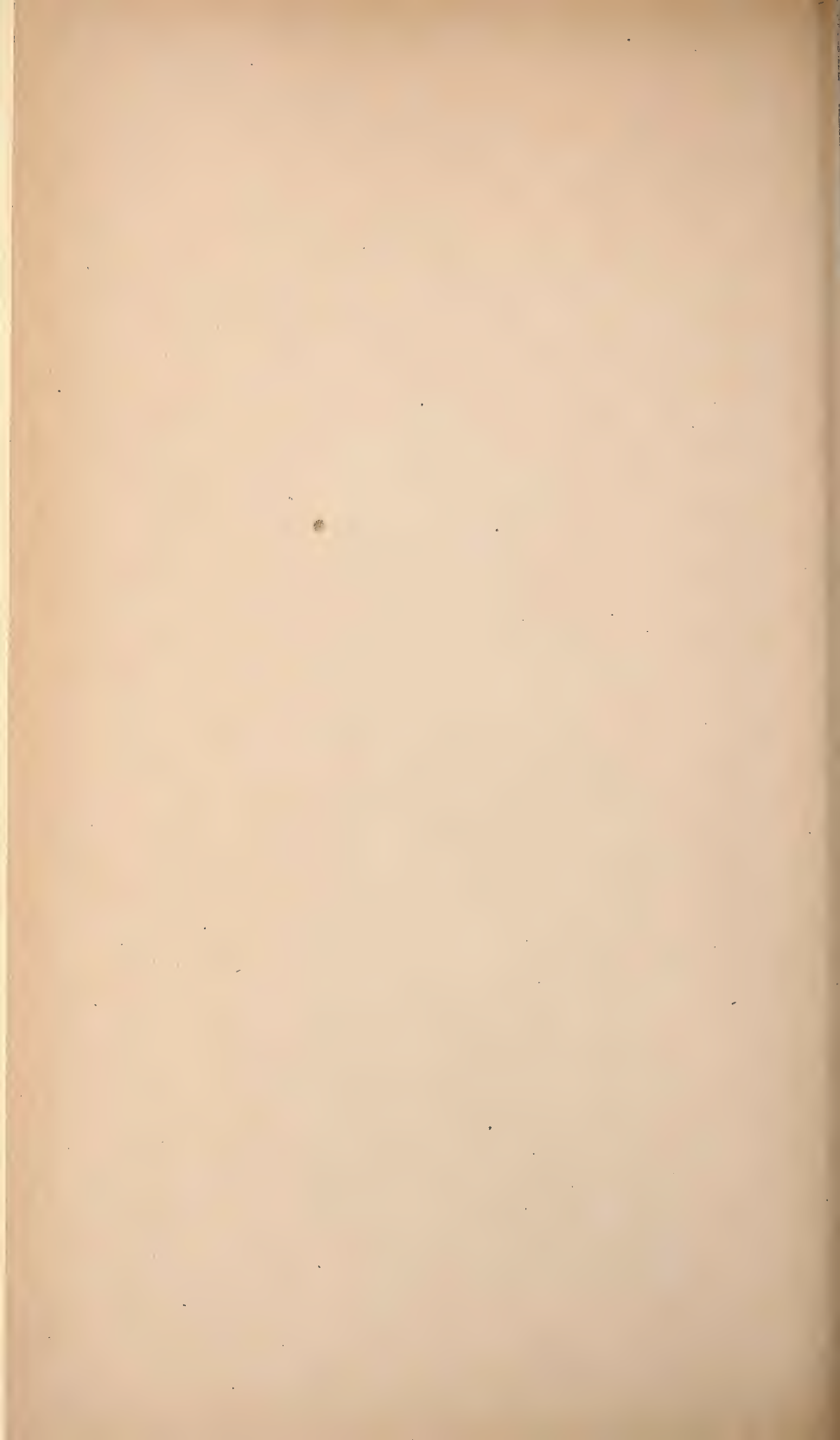
YEAR ENDING SEPTEMBER 30, 1893.

BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1894.



THIRTY-EIGHTH ANNUAL REPORT

OF

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OF THE

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FOR THE

YEAR ENDING SEPTEMBER 30, 1893.

Mass. Northampton State Hospital

BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

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OFFICERS

OF THE

NORTHAMPTON LUNATIC HOSPITAL.

TRUSTEES.

LYMAN D. JAMES, Esq.,	WILLIAMSBURG.
HON. ELISHA MORGAN,	SPRINGFIELD.
HON. ALVAN BARRUS,	GOSHEN.
MRS. SARAH A. WOODWORTH,	CHICOPEE.
MRS. SARAH M. BUTLER,	NORTHAMPTON.
ADAMS C. DEANE, M.D.,	GREENFIELD.
WILLIAM D. MACINNES, Esq.,	PITTSFIELD.

RESIDENT OFFICERS.

EDWARD B. NIMS, M.D.,	<i>Superintendent.</i>
JOHN A. HOUSTON, M.D.,	<i>Assistant Physician.</i>
CHARLES M. HOLMES, M.D.,	<i>Assistant Physician.</i>
JANE R. BAKER, M.D.,	<i>Female Physician.</i>
LEWIS F. BABBITT,	<i>Clerk.</i>
JOHN MERCIER,	<i>Farmer.</i>
DANFORD MORSE,	<i>Engineer.</i>

TREASURER.

EDWARD B. NIMS,	NORTHAMPTON.
Office at the Hospital.	

SUBORDINATE OFFICERS.

ROBERT H. GALLIVAN,	<i>Male Supervisor.</i>
LUCY A. GILBERT,	<i>Female Supervisor.</i>
BENJAMIN GRANT,	<i>Steward.</i>
BRADAMANT FAIRBANKS,	<i>Seamstress.</i>
CHLOE L. MARKS,	<i>Laundress.</i>
GEORGE B. WALLACE,	<i>Baker.</i>



Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

In submitting for your consideration the thirty-eighth annual report of this hospital, which has been placed in our care, we are confident that we can present a record of successful operations, in the restoration of health to patients, in the care and comfort of its inmates and in the management of its business affairs. The institution has now been open for the reception of patients thirty-five years, and has become so well known to the people of this State, that an extended statement is not necessary.

A summary of the operations of the institution since its opening shows us that 1,202 cases have been discharged as recovered, 185 as much improved and 1,380 as improved. The number of admissions has now become so large that it is necessary to remove annually more or less incurable cases to other institutions. Within the past year 42 such cases have been taken away. As it will probably be several years before the asylum for the chronic insane at Medfield will be ready for patients, it seems necessary that some increased accommodation should be provided for the increased number of cases in the mean time. The new dormitory for male patients, which is now being fitted, will accommodate fifty patients. It is also proposed to erect an infirmary building for female patients, connected with the second section of the south wing by a corridor, forty-eight feet in length, one story in height. The building will be nearly in the form of a cross, ninety feet in

length and forty-four in width, three stories in height; on either side a small wing, which will be used as dormitories. The day room is on each story at the extreme southern end, forty-four by eighteen feet. The building will accommodate about eighty patients. It will be built of brick, with brick partitions, with a veranda at the end, in the angle between one of the dormitories and the day room. Such a building will improve the classification, and give much better facilities for caring for the sick and feeble cases.

The work of repairs and improvements in the hospital has been carried on during the year as diligently as possible. The new dormitory for male help has been completed, and is now occupied. The new boiler house was put in operation on the 1st of January, and proves to be a decided improvement. New apparatus for heating the centre building and female wing has been put in, consisting of a ten-inch main steam pipe for heating the halls and rooms; a high-pressure four-inch pipe for supplying steam to the kitchen and ventilating towers, and heating water. The basement under the corridors in the female wing is divided into three sections, each of which is an air chamber. In these are stacks of radiators, which are put up in sections; each section is controlled by separate valves, to regulate the supply of heat. The air is brought into the stacks by ducts, no fans being used. The heated air is conveyed to the halls and to each room by flues in the partition walls, opening into the rooms about one and a half feet from the floor, with lock registers to control the current. Vent flues from the same rooms, opening about eight inches from the floor, pass to the attic into galvanized-iron ducts, which open into a tower for each section, in which a coil of heated pipe and damper are placed. This system has been very satisfactory in its working so far, and is a decided improvement. In each of the halls and dormitories radiators are placed. Fire-proof staircases have been put in the female wing. Fire walls are also being put in, separating each section from the other. In the basement of each section heaters and bath boilers are placed for heating water. The heat from these is utilized in ventilating the bath-rooms and water-closets in the three stories directly over them.

The addition to the female wing is now completed and occupied. This, together with the third and fourth sections, have

been refitted with new floors and new finishing, and are also occupied. The second section is undergoing the same improvement. The new laundry building is nearly finished, and is being fitted up with new apparatus. Several halls in the male wing have been refitted with new finishings. The progress of the repairs and improvements in the wing is necessarily slow, on account of the crowded condition of the hospital.

The farm improvements have also been continued as far as convenient.

The number of patients in the hospital Sept. 30, 1892, was 489: of men, 242; of women, 247. One hundred and sixty-nine patients have been admitted within the year: men, 91; women, 78. Ninety-five men and 83 women have been discharged, including 37 deaths. The number remaining Sept. 30, 1893, is 480: of men, 238; of women, 242. The daily average for the year was 480.26.

The general health of the patients has been good. The amount of acute disease has been small.

The death rate is a little larger than usual, and is owing to the large number of feeble cases admitted, who were suffering from chronic diseases, and also an unusually large number of aged persons.

The medical work increases each year, as the movement of population of the hospital increases, and it is evident that a larger medical staff will soon be necessary. The clerical work of the hospital has largely increased in late years, especially since the extensive repairs and improvements have been going on, and has made it necessary to employ a supervisor of the work. Mr. F. M. Morton is now employed in that capacity.

The financial affairs of the hospital have been conducted with care and economy. The balance of the appropriation made by the Legislature of 1892, amounting to \$36,672.22, has been expended. Of the appropriation of 1893, which was \$50,000, \$25,000 has been expended.

The report of the treasurer shows —

Cash assets Sept. 30, 1893,	. . . . .	\$52,801 25
Liabilities,	. . . . .	7,536 59
		<hr/>
Balance,	. . . . .	\$45,264 66

The purchased supplies on hand Sept. 30, 1893, have cost \$10,365.08. Farm products on hand are valued at \$6,921.70.

The amount charged for board of patients in the several classes is as follows :—

State patients,	\$13,697 66
Town patients,	55,970 15
Private patients,	17,698 83

No change has occurred in the official staff.

Mindful not only of the regular, but of the increasing, duties of the superintendent and those associated with him, the trustees hereby tender their appreciation of these efforts in advancing the interests of the institution.

LYMAN D. JAMES.

E. MORGAN.

ALVAN BARRUS.

SARAH A. WOODWORTH.

ADAMS C. DEANE.

WILLIAM D. MACINNES.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1893.

Superintendent and physician,	per year, \$2,500 00
Assistant physician, first,	" 1,500 00
Assistant physician, second,	" 700 00
Female physician,	" 600 00
Treasurer,	" 300 00
Treasurer, for clerk hire and paid to clerk,	" 200 00
Clerk,	" 1,200 00
Farmer,	" 700 00
Engineer,	" 1,200 00
Assistant clerk,	per month, 30 00
Supervisor (male),	" 40 00
Supervisor (female),	" 30 00
Assistant supervisor (female),	" 25 00
Seamstress,	" 20 00
Assistant seamstress,	" 15 00
Laundress,	" 18 00
Assistant laundresses (2),	" 18 00
Assistant laundresses (2),	" 16 00
Baker,	" 45 00
Assistant baker,	" 25 00
Steward,	" 50 00
Assistant steward,	" 35 00
Attendants (male, 4),	" 30 00
Attendants (male, 2),	" 25 00
Attendants (male, 4),	" 23 00
Attendants (male, 7),	" 21 00
Attendants (female, 4),	" 20 00
Attendant (female, 1),	" 18 00
Attendant (female, 1),	" 17 00
Attendants (female, 2),	" 16 00
Attendants (female, 2),	" 15 00
Attendants (female, 5),	" 14 00
Night watch (female),	" 20 00
Housework, centre (female),	" 17 00
Housework, centre (female, 2),	" 16 00

Housework, rear building (female),	per month,	\$15 00
Cook (female),	"	20 00
Cook (female),	"	18 00
Cooks (female, 2),	"	16 00
Cook (female),	"	15 00
Farmers' dining-room (female),	"	16 00
Watchman,	"	30 00
Carpenter,	per day,	2 25
Carpenter,	"	2 00
Painter,	per month,	50 00
Night engineer and gardener in summer,	"	30 00
Coachman,	"	30 00
Car boy,	"	18 00
Florist, without board,	"	50 00
Farm hands (2),	"	30 00
Farm hands (3),	"	28 00
Farm hands (2),	"	22 00
Farm hand,	"	23 00

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1893.

Live stock on farm,	\$8,905 50
Products of farm on hand,	6,921 70
Carriages and agricultural tools,	3,139 00
Machinery and mechanical fixtures,	11,585 00
Beds and bedding in inmates' department,	12,000 00
Other furniture in inmates' department,	7,000 00
Personal property of State in superintendent's department,*	8,650 00
Ready-made clothing,	1,609 87
Dry goods,	5,508 48
Provisions and groceries,	3,246 73
Drugs and medicines,	550 00
Fuel,	400 00
Library,	1,000 00
Paints and oils,	385 00
	<hr/>
	\$70,901 28

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing-room and other departments.

TREASURER'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

I hereby present my report, as treasurer of the hospital, for the fiscal year ending with the 30th of September, 1893. It contains, as usual, an appraisal of the property of the institution, an account of the receipts and the disbursements of money during the year, and the financial condition at its close.

ASSETS.

Four hundred and ninety-three acres of land, .	\$53,000 00	
Hospital building,	320,000 00	
Farm-house, \$1,750; brick house, \$1,750, . .	3,500 00	
Four dwellings,	2,000 00	
Storehouse and shops,	20,000 00	
Two barns,	5,000 00	
Horse stable,	1,900 00	
Scullery and wood-house,	500 00	
Lumber-house,	900 00	
Pump-house,	700 00	
Cart shed,	450 00	
Coal-house,	50 00	
Piggery,	3,000 00	
Fire-proofs for oils and paints,	500 00	
Two ice-houses,	450 00	
		<hr/>
		\$411,950 00

PERSONAL ESTATE.

Stock and supplies on hand, as per inventory appended to the trustees' report,	\$70,901 28
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RECEIPTS.

Cash on hand Sept. 30, 1892,	\$24,267 60	
Received from State treasurer,	13,697 66	
from towns,	55,970 15	
from individuals,	17,698 83	
from sales,	2,740 42	
from interest,	715 26	
		<hr/>
		\$115,089 92

PAYMENTS.

1. Salaries, wages and labor,		\$31,170 85
2. Provisions and supplies:—		
Meats of all kinds,	\$4,721 23	
Fish of all kinds,	1,521 42	
Fruit and vegetables,	1,235 21	
Flour,	2,490 00	
Grain and meal for table,	289 61	
Tea, coffee and chocolate,	1,050 72	
Grain and meal for stock,	3,125 36	
Sugar and molasses,	1,893 95	
Butter and cheese,	4,127 60	
Salt and other groceries,	1,564 24	
All other provisions,	2,302 59	
		<hr/>
		24,321 93
3. Clothing,		4,352 34
4. Fuel and lights,		6,843 92
5. Medicine and medical supplies,		1,143 92
6. Furniture, beds and bedding,		1,620 09
7. Transportation and travelling expenses,		840 70
8. Ordinary construction and repairs,		1,546 93
9. Extraordinary construction and repairs,		5,522 24
10. Miscellaneous expenses, including:—		
1. Farm stock,	\$110 00	
2. Farm supplies,	1,768 58	
3. Water,	1,311 55	
4. Minor expenses,	1,849 15	
5. Contingencies,	2,530 05	
		<hr/>
		7,569 33
Total expenses,		<hr/>
		\$84,932 25

LIABILITIES.

Salaries and wages due Oct. 1, 1893,	\$4,266 59
Miscellaneous bills due,	3,270 00
	<hr/>
	\$7,536 59
Due the institution for board Oct. 1, 1893:—	
From State,	\$3,572 72
towns,	14,345 40
individuals,	4,725 46
Due from the treasurer Sept. 30, 1893,	30,157 67
	<hr/>
	\$52,801 25

SUMMARY.

Total receipts,	\$115,089 92
Total payments,	84,932 25
	<hr/>
Cash on hand Sept. 30, 1893,	\$30,157 67

Total liabilities,	\$7,536 59
Total debts due the institution,	52,801 25
Total expenditures,	84,932 25

Dividing this sum by 480.26, the average number of patients, we have the average expenditure per patient,	\$176 84
And the average weekly expenditure per patient,	3 39

Deducting from the total expenditure,	\$84,932 25
The extraordinary expenses,	5,522 24

We have the current expenses,	\$79,410 01
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Dividing \$79,410.01 by 480.26, the average number of patients, we have the average expenditure per patient,	\$165 34
Making the average weekly expenditure per patient,	3 17

Subtracting from the current expenses,	\$79,410 01
The increase of personal assets,	160 17

We have the necessary cost for the year,	\$79,249 84
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Dividing \$79,249.84 by 480.26, the average number of patients, we have, as the annual cost of each patient,	\$165 01
Making the average weekly cost of each patient,	3 16

EDWARD B. NIMS,
Treasurer.

We have examined, as auditors, the accounts of the treasurer, and found a satisfactory voucher for every entry.

E. MORGAN,
ALVAN BARRUS,
Auditors.

FINANCIAL STATEMENT.

Of the appropriation made by the Legislature of 1892 for the purpose of enlarging the hospital and for other necessary repairs :—

Amount of appropriation,	.	.	.	.	.	\$50,000 00
Drawn to Sept. 30, 1892,	.	.	.	.	\$13,321 78	
Drawn Nov. 26, 1892,	.	.	.	.	4,178 79	
Dec. 23, 1892,	.	.	.	.	8,703 43	
Jan. 20, 1893,	.	.	.	.	8,394 06	
Feb. 25, 1893,	.	.	.	.	6,674 09	
Mar. 20, 1893,	.	.	.	.	5,199 11	
Apr. 22, 1893,	.	.	.	.	3,528 74	
<hr/>						\$50,000 00

Of the appropriation made by the Legislature of 1893 for the purpose of enlarging the hospital and for other necessary repairs :—

Amount of appropriation,	.	.	.	.	.	\$50,000 00
Drawn July 6, 1893,	.	.	.	.	\$10,759 35	
July 22, 1893,	.	.	.	.	5,605 09	
Sept. 15, 1893,	.	.	.	.	5,580 30	
Sept. 30, 1893,	.	.	.	.	3,055 26	
<hr/>						\$25,000 00

EDWARD B. NIMS,
Treasurer.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The report for the year 1892-93 is hereby respectfully submitted for your information : —

1. — General Statistics of the Year.

	INSANE.			HABITUAL DRUNKARDS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1892,	239	247	486	3	-	3
Admitted within the year,	91	78	169	-	-	-
Whole number of cases within the year, . . .	330	325	655	3	-	3
Discharged within the year,	92	83	175	3	-	3
Viz. : as recovered at time of leaving the hospital,	20	11	31	-	-	-
as much improved,	11	15	26	-	-	-
as improved,	19	18	37	-	-	-
as not improved,	21	22	43	-	-	-
as not insane,	-	-	-	3	-	3
Deaths,	20	17	37	-	-	-
Patients remaining Sept. 30, 1893,	238	242	480	-	-	-
Viz. : supported as State patients,	43	44	87	-	-	-
supported as town patients,	165	156	321	-	-	-
supported as private patients,	30	42	72	-	-	-
Number of different persons within the year, .	326	320	646	3	-	3
Persons admitted,	89	77	166	-	-	-
Persons recovered,	20	11	31	-	-	-
Daily average number of patients,	240.95	238.90	479.85	.41	-	.41
Viz. : State patients,	-	-	-	-	-	-
town patients,	-	-	-	-	-	-
private patients,	-	-	-	-	-	-

I.—General Statistics of the Year—Concluded.

	NOT INSANE.			AGGREGATE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1892,	-	-	-	242	247	489
Admitted within the year,	-	-	-	91	78	169
Whole number of cases within the year,	-	-	-	333	325	658
Discharged within the year,	-	-	-	95	83	178
Viz.: as recovered at time of leaving the hospital,	-	-	-	20	11	31
as much improved,	-	-	-	11	15	26
as improved,	-	-	-	19	18	37
as not improved,	-	-	-	21	22	43
as not insane,	1	-	1	4	-	4
Deaths,	-	-	-	20	17	37
Patients remaining Sept. 30, 1893,	-	-	-	238	242	480
Viz.: supported as State patients,	-	-	-	43	44	87
supported as town patients,	-	-	-	165	156	321
supported as private patients,	-	-	-	30	42	72
Number of different persons within the year,	-	-	-	329	320	649
Persons admitted,	-	-	-	89	77	166
Persons recovered,	-	-	-	20	11	31
Daily average number of patients,	-	-	-	241.36	238.90	480.26
Viz.: State patients,	-	-	-	41.88	33.95	75.83
town patients,	-	-	-	171.16	167.56	338.72
private patients,	-	-	-	28.07	37.64	65.71

The number of patients in the hospital Oct. 1, 1892, was 489: men, 242; women, 247. The number of admissions for the year was 169: men, 91; women, 78; which is less by 8 than in the preceding year. The number discharged was 178: men, 95; women, 83; including 37 deaths. The number remaining Sept. 30, 1893, is 480: men, 238; women, 242. The daily average for the year was 480.26. The largest number present on any one day was 495; the smallest, 468. The whole number of cases under treatment was 658: men, 333; women, 325. Of those discharged, 80 returned to their homes, 16 were removed out of the State, 20 were removed to the State almshouse at Tewksbury and 22 to town or city alms-

houses. The number of first admissions was 129 ; second, 26 ; third, 10 ; fourth, 4. One man and 3 women were discharged and readmitted ; 1 man and 1 woman were discharged, readmitted and again discharged ; 1 man and 1 woman were admitted, discharged and readmitted ; 1 man was admitted twice and discharged twice ; making the number of persons admitted within the year 166, the number discharged 175 ; whole number of persons under treatment 649 : men, 329 ; women, 320.

STATUS OF PATIENTS.

At the beginning of the year, Oct. 1, 1892, of the 489 patients in the hospital, 84 were supported by the State, 332 by towns and cities and 73 by individuals, one person having been transferred at that time from State to town account. The number of patients charged to State account at the time of admission was 49, to towns and cities, 93, supported by individuals 24. At the end of the year, Sept. 30, 1893, 87 patients were supported by the State, 321 by towns and cities and 72 by individuals.

The figures given above indicate the classification as it stands on the hospital records, and the parties who are legally responsible for the board of patients, and to whom the bills are made out and sent. These figures are not strictly correct, for the reason that in some cases the State and towns or cities are indemnified by individuals for the board of patients. As provided in chapter 243, Acts of 1892, towns having a taxable valuation of less than five hundred thousand dollars may be reimbursed from the State treasury for the support of patients in the lunatic hospitals. The burden of supporting patients in the hospitals is of necessity unequally distributed among the towns and cities, as the number of patients is not in proportion to the ability of towns to pay the bills. If the support of all patients in the hospital were assumed by the State, the grounds for complaint would seem to be removed.

The weekly average of the different classes for two years past is given in the following table : —

	1891-92.			1892-93.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients,	43.04	42.48	85.52	45.5	37.55	83.05
Town patients,	152.65	157.09	309.74	170.21	164.78	334.99
Private patients,	32.52	40.75	73.27	28.5	42.88	71.38

RECOVERIES.

Thirty-one persons were discharged as recovered. In addition, a large number were discharged as sufficiently improved to be cared for elsewhere. Five persons were discharged as recovered who had previously recovered in this hospital. Twenty-four of those recovered were admitted for the first time; 5 were second admissions; 1, third; and 1, fourth. The percentage of recoveries on the number admitted within the year was 18.3, on the number discharged was 17.4. The percentage of the whole number of these discharged as recovered, much improved and improved on the number of admissions was 55.6, on the whole number discharged was 53.3. Of the 169 admissions within the year, but 54 had any reasonable probability of recovery. In 75 of the cases admitted the disease was entered upon the hospital records as acute in character, and in many of these the duration and history were strongly suggestive of a chronic character. The remaining 94 cases were undoubtedly chronic and incurable.

DEATHS.

The number of deaths within the year was 37. Of these, 2 were supported by the State, 25 by towns and cities and 10 by individuals.

As is usually the case in all hospitals, diseases of a chronic character are the main cause of deaths, such as consumption, organic diseases of the brain, and the exhaustion which results from long-continued mental disorder. In only 3 cases was the disease of a character which could be called acute in any sense of the word. Pneumonia was the cause in a woman who was much enfeebled by many severe attacks of epilepsy; 1 occurred from dysentery, in a woman who had been an invalid for years; 1 man died of pyæmia; three persons died of consumption; 3

of paralysis. In 16 cases organic brain disease, or exhaustion incident upon chronic brain disorder, was the cause. Four persons died of epilepsy, 2 of Bright's disease, and 3 apparently of old age. Three persons took their own lives, 2 by hanging and 1 by drowning, while out walking with his attendant. Of the deaths, 5 were of persons over eighty years of age, 12 of persons over seventy and 21 of persons over sixty.

The percentage of deaths on the daily average number was 7.7, on the whole number under treatment 5.62.

The following table gives the number of deaths and the ratios from Sept. 30, 1858 :—

Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1893.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Average No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Average No. of Patients.
			Men.	Women.	Totals.		
1858-59, .	313	229.55	7	12	19	6.07	8.27
1859-60, .	398	255.96	9	18	27	6.78	10.54
1860-61, .	434	314.26	15	15	30	6.91	9.54
1861-62, .	442	313.80	9	10	19	4.29	6.05
1862-63, .	470	355.28	19	7	26	5.53	7.31
1863-64, .	475	357.63	17	30	47	9.89	13.14
1864-65, .	469	342.40	17	24	41	8.76	11.97
1865-66, .	488	376.35	18	13	31	6.35	8.23
1866-67, .	543	401.03	23	24	47	8.65	11.71
1867-68, .	565	413.41	25	17	43	7.61	10.40
1868-69, .	590	405.10	13	12	25	4.23	6.17
1869-70, .	604	408.83	22	11	33	5.46	8.07
1870-71, .	616	421.90	16	12	28	4.54	6.64
1871-72, .	619	428.72	19	18	37	5.97	8.63
1872-73, .	614	437.23	13	8	21	3.42	4.80
1873-74, .	626	469.54	14	11	25	3.99	5.32
1874-75, .	629	475.35	23	18	41	6.52	8.62
1875-76, .	629	474.21	18	19	37	5.88	7.80
1876-77, .	603	476.16	21	21	42	6.96	8.82
1877-78, .	551	442.43	14	9	23	4.17	5.19
1878-79, .	535	436.73	14	9	23	4.29	5.27
1879-80, .	559	450.51	17	12	29	5.19	6.44

Deaths and their Ratios, etc. — Concluded.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Average No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Average No. of Patients.
			Men.	Women.	Totals.		
1880-81, .	569	451.79	16	10	26	4.57	5.75
1881-82, .	587	461.66	24	14	38	6.47	8.23
1882-83, .	606	466.76	17	13	30	4.95	6.42
1883-84, .	605	463.05	12	13	25	4.13	5.39
1884-85, .	599	475.94	16	11	27	4.51	5.67
1885-86, .	659	474.40	14	12	26	3.94	5.48
1886-87, .	639	478.55	13	18	31	4.85	6.47
1887-88, .	635	470.25	14	17	31	4.88	6.59
1888-89, .	636	469.10	18	7	25	3.93	5.32
1889-90, .	616	470.50	12	9	21	3.40	4.46
1890-91, .	636	457.00	19	12	31	4.87	6.78
1891-92, .	630	469.09	29	9	38	6.03	8.1
1892-93, .	658	480.26	20	17	37	5.62	7.7

WORSHIP AND ENTERTAINMENT.

The exercises at the evening assemblies have been continued through the year with the usual frequency.

Religious services were held on Sunday afternoons; the average attendance at these services was 294 persons. At the evening assemblies on week days the average number of persons present was about 250. The attendance at these exercises is not compulsory.

Exercises in Chapel.

1. ON THE SABBATH:—

Divine worship, 52 days.

2. ON SECULAR EVENINGS:—

(a) *Readings and Recitations, opened and closed with Music:—*

The Bible and selections of prose, 3 days.

The Bible and selections of poetry, 21 days.

The Bible and selections of poetry and prose, 25 days.

Miscellaneous selections of prose, 64 days.

Miscellaneous selections of poetry, 2 days.

Miscellaneous selections of poetry and prose, 32 days.

Recitations, 1 day.

(b) *Other Entertainments:—*

Pictures shown with stereopticon,	7 days.
Ventriloquism,	1 day.
Chalk talk,	1 day.
Sleight of hand,	1 day.
Lecture,	1 day.

(c) *Social Assemblies:—*

Quadrille parties,	26 days.
No assembly,	128 days.
	<hr/> 365 days.

FARM.

The products of the farm were considerably lessened by the severe drought, which lasted from the first of June until the middle of August. The hay and vegetable crop are largely diminished. Apples were almost a failure. The excellent condition of the farm alone prevented a serious loss. The whole amount of milk produced was 41,358 gallons, a daily average of 453 quarts. Thorough tilling of the soil, a liberal use of fertilizers and clearing of land of boulders and bushes, is rapidly improving the farm. The total number of acres is now 495. The estimated value of this year's crops is \$17,-740.76.

The animals on the farm Sept. 30, 1893, were: 6 oxen, 4 bulls, 61 cows, 18 heifers, 12 calves (not including those intended for slaughtering), 11 horses, 2 colts, 204 swine, 240 poultry.

The following table gives the annual product of hay:—

1864, estimated,	40 tons.	1879, weighed,	144 tons.
1865, "	62 "	1880, "	154 "
1866, "	42 "	1881, "	213 "
1867, weighed,	82 "	1882, "	170 "
1868, "	86 "	1883, "	197 "
1869, "	91 "	1884, "	174 "
1870, "	74 "	1885, "	251 "
1871, "	75 "	1886, "	269 "
1872, "	91 "	1887, "	302 "
1873, "	84 "	1888, "	305 "
1874, "	120 "	1889, "	331 "
1875, "	100 "	1890, "	336 "
1876, "	111 "	1891, "	295 "
1877, "	154 "	1892, "	315 "
1878, "	179 "	1893, "	262 "

The pork which is used in the hospital is all raised on the premises, and a portion is usually sold.

The past year 55 hogs were slaughtered.

The table gives the annual product of pork :—

Pork raised upon the Farm.

1865, . . .	6,265 pounds.	1880, . . .	14,729 pounds.
1866, . . .	5,443 "	1881, . . .	15,610 "
1867, . . .	7,416 "	1882, . . .	14,414 "
1868, . . .	7,791 "	1883, . . .	15,612 "
1869, . . .	8,469 "	1884, . . .	10,192* "
1870, . . .	7,447 "	1885, . . .	17,544 "
1871, . . .	7,863 "	1886, . . .	21,503 "
1872, . . .	11,366 "	1887, . . .	26,331 "
1873, . . .	10,511 "	1888, . . .	18,465 "
1874, . . .	12,024 "	1889, . . .	19,227 "
1875, . . .	12,693 "	1890, . . .	25,189 "
1876, . . .	12,467 "	1891, . . .	32,621 "
1877, . . .	13,605 "	1892, . . .	31,074 "
1878, . . .	14,451 "	1893, . . .	23,505 "
1879, . . .	13,569 "		

List of Farm Products in 1893.

Hay (first growth), 227 $\frac{1}{4}$ tons,	\$3,636 00
Hay (after growth), 35 $\frac{1}{4}$ tons,	564 00
Corn fodder (dry), 20 tons,	120 00
Corn, 200 bushels,	100 00
Straw, 4 $\frac{1}{2}$ tons,	58 00
Potatoes, 2,218 bushels,	1,330 00
Broom seed, 40 bushels,	16 00
Broom brush, 500 pounds,	30 00
Carrots, 271 $\frac{1}{2}$ bushels,	109 05
Sugar beets, 670 bushels,	268 00
Beets, 151 $\frac{1}{2}$ bushels,	88 62
Onions, 341 $\frac{1}{2}$ bushels,	204 90
Turnips, 342 $\frac{1}{2}$ bushels,	137 75
Parsnips, 60 bushels,	36 00
Beans (in shell), 119 bushels,	119 00
Beans (string), 12 $\frac{1}{2}$ bushels,	9 75
Pease (green), 117 $\frac{1}{2}$ bushels,	117 50
Sweet corn (green), in ear, 207 bushels,	197 00
Tomatoes, 66 bushels,	66 00
Lettuce, 72 $\frac{1}{2}$ bushels,	72 50
Cucumbers, 124 bushels,	124 00
Squash (summer), 77 $\frac{1}{2}$ bushels,	77 50

* Quantity diminished by disease.

Squash (winter), 12,800 pounds,	\$192 00
Melons, 3,750 pounds,	37 50
Muskmelon, 465 pounds,	4 65
Asparagus, 42 bushels,	84 00
Pie-plant, 61 bushels,	61 00
Spinach, 20 bushels,	20 00
Cabbage, 4,712 heads,	188 48
Currants, 27½ bushels,	79 50
Apples, 124 barrels,	226 00
Pears, 35 bushels,	35 00
Quinces, 11 bushels,	13 75
Beef, 21,758 pounds,	1,400 50
Veal, 2,757 pounds,	290 97
Pork, 23,505 pounds,	2,050 84
Pigs sold, 241,	880 00
Chickens, 655 pounds,	131 00
Eggs, 409½ dozen,	119 15
Milk (grass-fed), 13,786 gallons,	3,304 40
Cider, 11 barrels,	27 50
Calf skins, 29,	14 50
Young calves sold, 16,	53 50
Wood, 23 cords,	69 00
Ensilage, 125 tons,	437 50
Celery, 432 heads,	58 50
Posts, 35,	8 75
Lumber, 800 feet,	12 00
Hus s (ccir). 3 to	12 00
Ice, 300 tons,	300 00
Rye, 40 bushels,	22 00
Oats, 30 bushels,	10 50
Grapes, 225 pounds,	9 20
Cauliflower, 60 heads,	7 50
Swiss chard, 96½ bushels,	96 50
Crab apples, 1½ bushels,	1 50

\$17,740 76

FINANCES.

The sources of the income of the hospital are mainly the sums received for the board of patients. The State, towns and cities pay for the support of their patients \$3.25 per week. This includes board, clothing and medical attendance. No extra charge is allowed for damages. The law (chapter 87, section 45, of the Public Statutes) provides that "No pauper shall be discharged from the State hospitals without suitable clothing, and the trustees may furnish the same at their discretion, together with such sums of money, not exceeding twenty

dollars, as they may deem necessary. Such money and the cost of such clothing, the expense of pursuing such lunatics as may escape therefrom, and of burial of such as die in the hospital, shall be reimbursed to the trustees by the places of legal settlement of city or town paupers, and by the Commonwealth in the case of State paupers."

The average weekly cost per patient for the past year was \$3.39. The daily average of State and town patients for the past year was 414.55. Private patients pay for board such prices as are agreed upon, at the admission of the patient. The daily average of private patients for the year was 65.71. The average price paid by all private patients who were in the hospital Sept. 30, 1893, was \$4.98.

The clothing furnished to private patients is charged extra, as are also damages, to an amount not exceeding fifty dollars annually.

Cash Assets on Hand Sept. 30, 1893.

Cash on hand,	\$30,157 67
Board of private patients,	4,725 46
of State patients,	3,572 72
of town patients,	14,345 40
<hr/>	
Total,	\$52,801 25
Liabilities,	7,536 59
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Balance,	\$45,264 66
Purchased supplies on hand estimated to have cost,	\$10,365 08
Products of farm on hand,	6,921 70
Total working surplus,	62,551 44

There was expended \$7,069.17 for extraordinary and necessary repairs. Of the appropriation made by the Legislature of 1892, \$36,672.22 was expended; of the appropriation made by the Legislature of 1893, \$25,000 was expended; a total of \$68,741.39 expended within the year in improvements and repairs. The sum of all appropriations made by the State for the construction, repairs and improvements of the hospital from the passage of the act authorizing its erection to Oct. 1, 1893, is \$480,142.62.

ACKNOWLEDGMENTS.

Numerous gifts of magazines, papers and other reading matter, presents for Christmas, etc., have been received within the year. Of the contributors we may mention Miss Florence Austin, Mrs. D. D. Gorham, Mr. S. E. Bridgman, Mr. C. D. Warner, Mrs. Woodworth and Mrs. Butler. The "N. E. Staaten Zeitung" has continued to send two copies of that paper and the "Christian Register" one copy during the year. The various clergymen of the city have always been ready to conduct the services in the chapel on Sunday and at the funerals of those who were buried in the hospital cemetery. Music was furnished by Mr. Frank's orchestra for the weekly dances. The stereopticon exhibitions were given by Dr. T. W. Meekins, who has favored the hospital for many years.

The officers who were connected with the hospital at the last report remain with us. The added experience and faithful work of the staff has contributed largely to the success of the institution for the year.

With a hearty recognition of the full appreciation and ready counsel and generous support of your Board, this report is respectfully submitted.

EDWARD B. NIMS,

Superintendent.

DIETARY OF THE NORTHAMPTON LUNATIC HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about two hundred persons, and the second to those of somewhat over three hundred.]

BILL OF FARE No. 1.

BREAKFAST.

- Monday.* — Tea, coffee, broiled beefsteak, potatoes, warm rolls ("biscuit"), bread and butter.
- Tuesday.* — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.
- Wednesday.* — Tea, coffee, broiled beefsteak, potatoes and warm brown (rye and Indian) bread.
- Thursday.* — Tea, coffee, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.
- Saturday.* — Tea, coffee, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, cold corned beef, potatoes, warm rolls, bread, butter and fried Indian corn pudding.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable, bread, butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal,† potatoes and one other vegetable, bread, butter and baked Indian pudding.
- Wednesday.* — Either fried or baked fresh fish or boiled mutton, potatoes and one other vegetable, bread, butter and berry or apple pudding, with sauce.‡
- Thursday.* — Vegetable soup, corned beef, potatoes and one other vegetable, bread, butter and boiled suet pudding with syrup.

* Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

† Substituted in winter by fresh pork ribs, roasted.

‡ In spring, maple syrup is used as sauce for puddings.

Friday.—Either boiled or roasted mutton* or stewed or roasted veal, potatoes and one other vegetable, bread, butter and tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday.—Baked beans, corned beef, potatoes and one other vegetable, pickles, bread, butter and baked bread pudding.

Sunday.—Cold corned beef, potatoes, warmed baked beans, pickles, bread, butter and pies, the kind varying with the season.

SUPPER.

Monday.—Tea, bread, warm corn cake, butter, hard gingerbread and a relish.†

Tuesday.—Tea, white bread, graham bread, butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.

Wednesday.—Tea, bread, butter, cookies and ginger snaps and a relish.

Thursday.—Tea, bread, butter, pie (the kind varying with the season) and cheese.

Friday.—Tea, bread, butter, cake (the kind varying) and a relish.

Saturday.—Tea, bread, butter, doughnuts and cheese.

Sunday.—Tea, bread, butter, cookies and ginger snaps and blanc-mange or corn starch.

Extra.—In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

Monday.—Coffee, cold corned beef, potatoes and bread.

Tuesday.—Coffee, cold roast beef, potatoes and bread.

Wednesday.—Coffee, meat stew, potatoes and warm rye and Indian corn brown bread.

Thursday.—Coffee, pickled codfish cooked in milk, potatoes and bread.

Friday.—Coffee, cold corned beef or meat stew, potatoes and bread.

Saturday.—Coffee, hash, either of meat or fish, and bread.

Sunday.—Coffee, cold baked beans, potatoes and bread.

Butter is used in two halls in the morning.

DINNER.

Monday.—Roast beef, potatoes and one other vegetable,‡ boiled hominy with molasses and bread.

* Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

† This term, used for the want of better, includes dried beef, berries, baked apples, apple sauce, and canned fruits, all of which are supplied, and each according to the season.

‡ Except two months in the spring.

Tuesday.—Vegetable soup, potatoes and one other vegetable,* baked Indian pudding† and bread.

Wednesday.—Boiled fresh fish with drawn-butter sauce, potatoes and one other vegetable,* boiled hasty pudding with molasses and bread.

Thursday.—Vegetable soup, potatoes, cabbage or some other vegetable, boiled rice with molasses‡ and bread.

Friday.—Boiled codfish with drawn-butter sauce, potatoes, beets or some other vegetable, boiled hasty pudding with molasses and bread.

Saturday.—Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday.—Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday.—Tea, bread and butter.

Tuesday.—Tea, bread, butter and soft gingerbread.

Wednesday.—Tea, bread, butter and some kind of relish.

Thursday.—Tea, bread and butter.

Friday.—Tea, bread, butter and soft gingerbread.

Saturday.—Tea, bread and butter.

Sunday.—Tea, bread and butter.

EXTRAS.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In four halls, sauce, of either fresh or dried apples, is furnished as often as three times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day, and either turkey or chicken on one other day in the year.

From four to five bushels of green sweet corn, in the ear, is consumed in its season, daily, with the exception of Sunday.

Tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horseradish as a condiment.

During eight months of the year, a barrel of apples is distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast, milk toast, toast with dropped egg and boiled eggs, for invalids and all who are not able to take the regular fare.

* Except two months in the spring.

† All baked puddings for the whole household are made with milk.

‡ Maple syrup is furnished, in place of molasses, three or four times in the spring.

* 2. — *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1892.												
October,	4	6	10	11	9	20	5	2	7	236.32	242.87	479.19
November,	12	5	17	5	3	8	1	1	2	232.2	242.36	474.56
December,	5	10	15	2	4	6	3	1	4	236.55	247.	483.55
1893.												
January,	11	3	14	3	20	23	3	1	4	239.29	242.03	481.32
February,	8	3	11	6	1	7	3	3	6	241.64	228.78	470.42
March,	7	6	13	5	6	11	1	—	1	241.32	229.42	470.74
April,	10	8	18	7	4	11	—	—	—	242.566	231.266	473.83
May,	12	8	20	8	—	8	1	2	3	244.13	236.71	480.84
June,	8	10	18	6	4	10	1	3	4	247.33	239.6	486.93
July,	3	4	7	3	4	7	1	—	1	248.45	242.74	491.19
August,	4	7	11	7	2	9	—	3	3	244.32	241.29	485.61
September,	7	8	15	12	9	21	1	1	2	242.23	242.8	485.03
Total of cases,	91	78	169	75	66	141	20	17	37	—	—	—
Total of persons,	89	77	166	73	65	138	20	17	37	—	—	—
Daily average,	—	—	—	—	—	—	—	—	—	241.36	238.90	480.26

* For Table No. 1, see superintendent's report.

3. — Received on First and Subsequent Admissions.

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	75	54	129	—	—	—
Second,	11	15	26	4	5	9
Third,	4	6	10	6	4	10
Fourth,	1	3	4	3	4	7
Total of cases,	91	78	169	13	13	26
Total of persons,	89	77	166	8	10	18

4. — Relations to Hospital of Persons Admitted.

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane,	74	51	125
Former inmates of this hospital only,	14	19	33
of other hospitals only,	1	3	4
of this and other hospitals,	—	4	4
Total of persons,	89	77	166

5. — *Nativity and Parentage of Persons Admitted.*

PLACES OF NATIVITY.	PATIENTS.			PARENTS.					
				MALES.		FEMALES.		TOTALS.	
	Ma.	Fe.	Tot.	Fa.	Mo.	Fa.	Mo.	Fa.	Mo.
Maine,	—	1	1	—	—	—	1	—	1
Vermont,	5	1	6	3	1	1	2	4	3
New Hampshire,	—	—	—	—	—	2	1	2	1
Massachusetts,	35	32	67	19	22	19	17	38	39
Connecticut,	3	2	5	3	3	1	1	4	4
Rhode Island,	1	1	2	—	1	—	—	—	1
New York,	11	6	17	7	8	2	4	9	12
New Jersey,	—	1	1	1	—	—	—	1	—
Iowa,	1	—	1	—	—	—	—	—	—
Tennessee,	—	—	—	1	—	—	—	1	—
Kentucky,	1	—	1	—	—	—	—	—	—
Canada,	4	1	5	7	7	1	1	8	8
Nova Scotia,	—	—	—	—	1	—	—	—	1
Newfoundland,	—	1	1	—	—	1	1	1	1
England,	3	3	6	5	4	6	5	11	9
Ireland,	18	19	37	32	31	24	24	56	55
Scotland,	—	4	4	—	—	7	6	7	6
Wales,	1	—	1	1	1	—	—	1	1
Germany,	2	1	3	3	3	3	3	6	6
Italy,	1	1	2	1	1	1	1	2	2
Hungary,	—	1	1	—	—	1	1	1	1
Russia,	2	—	2	1	1	—	—	1	1
Japan,	1	—	1	1	1	—	—	1	1
Sweden,	—	1	1	—	—	1	1	1	1
Unknown,	—	1	1	4	4	7	8	11	12
Totals,	89	77	166	89	89	77	77	166	166

6. — *Residence of Persons Admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	21	14	35
Hampden County,	46	32	78
Berkshire County,	16	17	33
Franklin County,	6	14	20
Totals,	89	77	166
Cities or towns,*	48	39	87
Country districts,	41	38	79
Totals,	89	77	166

* Containing not less than 10,000 inhabitants.

7. — *Civil Condition of Persons Admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.			TOTAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	32	22	54	36	25	61	6	7	13	1	-	1	75	54	129
Second,	5	2	7	3	10	13	1	2	3	-	-	-	9	14	23
Third,	2	1	3	2	4	6	-	1	1	-	-	-	4	6	10
Fourth,	1	-	1	-	3	3	-	-	-	-	-	-	1	3	4
Totals,	40	25	65	41	42	83	7	10	17	1	-	1	89	77	166

8. — *Occupation of Persons Admitted.*

MALES.

Agent,	1	Leather cutter,	1
Book-keeper,	1	Mechanic,	1
Box maker,	1	Machinists,	3
Blacksmiths,	2	Mill operatives,	8
Bartenders,	2	Merchants,	5
Butcher,	1	Photographer,	1
Carpenters,	3	Painters,	2
Canvasser,	1	Printer,	1
Druggist,	1	Papermaker,	1
Electrical engineer,	1	Pulman car porter,	1
Employee in cutlery factory,	1	Salesman,	1
Farmers,	13	Tinsmiths,	2
Gardener,	1	Whip-lash cutter,	1
Hostler,	1	Wood turner,	1
Harness maker,	1	None,	6
Jeweller,	1		
Laborers,	22	Totals,	89

FEMALES.

Button maker,	1	Hat braider,	1
Cook,	1	Mill operatives,	5
Domestics,	10	Matron in hotel,	1
Dressmakers,	3	Milliner,	1
Housework,	7	None,	11

WIFE OF

Book-binders,	2	Hack driver,	1
Button maker,	1	Inspector of water works,	1
Carpenter,	1	Laborer,	10
Clock repairer,	1	Mechanic,	1
Cigar maker,	1	Merchant,	1
Clergyman,	1	Mill operative,	5
Calico engraver,	1	Painter,	1
Clerk,	1	Shoe dealer,	1
Conductor,	1	Teacher,	1
Farmer,	2		
Foundryman,	1	Totals,	77
Grocer,	1		

9. — Probable Causes of Disease in Persons Admitted.

CAUSES.	PATIENTS ADMITTED.			PREVIOUS ATTACKS.			HEREDITARY PREDISPOSITION.		
	INSANE.								
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. — PHYSICAL : —									
Congenital,	1	—	1	—	—	—	—	—	—
Olimacteric,	—	4	4	—	1	1	—	1	1
Chorea,	1	—	1	—	—	—	—	—	—
Cigarette smoking,	1	—	1	—	—	—	—	—	—
Dissipation,	2	—	2	1	—	1	—	—	—
Epilepsy,	7	1	8	—	2	2	1	1	2
Heredity,	6	14	20	2	2	4	5	11	16
Ill-health,	1	2	3	1	3	4	—	—	—
Intemperance,	28	3	31	4	2	6	6	—	6
Injury,	1	—	1	—	—	—	—	—	—
Influenza,	1	2	3	—	1	1	1	—	1
Lactation,	—	1	1	—	—	—	—	—	—
Malaria,	—	1	1	—	—	—	—	—	—
Masturbation,	4	1	5	—	—	—	2	—	2
Overstudy,	—	1	1	—	—	—	—	—	—
Overwork,	1	5	6	—	1	1	—	2	2
Overwork and study,	1	—	1	—	—	—	—	—	—
Puerperal,	—	3	3	—	—	—	—	1	1
Pregnancy,	—	1	1	—	—	—	—	—	—
Senility,	8	2	10	—	—	—	1	1	1

11. — *Ages of Insane at First Attack, Admission and Death.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.						PERSONS DIED.					
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	-	-	-	-	-	-	-	-	-	-	-	-
15 years and less, . .	1	1	2	-	-	-	-	-	-	-	-	-
From 15 to 20 years, . .	3	3	6	3	2	5	2	-	2	-	-	-
20 to 25 years, . .	7	3	10	8	5	13	1	-	1	-	-	-
25 to 30 years, . .	3	3	6	8	2	10	1	-	1	2	-	2
30 to 35 years, . .	1	12	13	8	13	21	1	-	1	1	-	1
35 to 40 years, . .	6	6	12	8	9	17	2	2	4	2	-	2
40 to 50 years, . .	10	5	15	14	8	22	-	6	6	1	4	5
50 to 60 years, . .	3	6	9	8	6	14	2	2	4	2	2	4
60 to 70 years, . .	2	1	3	3	3	6	3	4	7	3	7	10
70 to 80 years, . .	7	2	9	10	2	12	4	2	6	6	3	9
Over 80 years,	1	-	1	3	1	4	1	-	1	3	1	4
Unknown,	29	9	38	-	-	-	3	1	4	-	-	-
Not insane,	1	-	1	1	-	1	-	-	-	-	-	-
Total of persons, . .	74	51	125	74	51	125	20	17	37	20	17	37
Mean ages,	25.79	29.66	27.37	41.78	40.72	41.35	38.3	50.05	43.70	60.4	60.41	60.4

12. — Reported Duration of Disease before Last Admission.

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, . . .	—	—	—	—	—	—	—	—	—
Under 1 month, . .	14	11	25	2	2	4	16	13	29
From 1 to 3 months, .	6	4	10	2	4	6	8	8	16
3 to 6 months, .	7	6	13	—	1	1	7	7	14
6 to 12 months, .	6	8	14	3	1	4	9	9	18
1 to 2 years, . .	10	3	13	3	2	5	13	5	18
2 to 5 years, . .	9	11	20	1	4	5	10	15	25
5 to 10 years, . .	3	1	4	—	4	4	3	5	8
10 to 20 years, . .	1	2	3	1	4	5	2	6	8
Over 20 years, . . .	3	—	3	1	3	4	4	3	7
“Years,”	3	2	5	1	1	2	4	3	7
Not insane,	1	—	1	—	—	—	1	—	1
Unknown,	11	3	14	3	1	4	14	4	18
Total of cases, . .	74	51	125	17	27	44	91	78	169
Total of persons, . .	74	51	125	15	26	41	89	77	166
Average in years, . .	4.90	1.98	3.71	4.64	5.59	2.98	4.85	3.23	3.51

13. — Form of Mental Disease in Cases Admitted or Discharged, with Condition on Discharge.

FORM OF DISEASE.	CASES ADMITTED.			CASES DISCHARGED.											
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Insane : —															
Epilepsy,	7	1	8			1			1			4	2	3	7
General paralysis,	3	13	16	5	3	8	4	5	9	3	1	4	1	1	2
Mania, acute,	16	10	26	11	1	12	2	1	3	1	7	8	5	12	17
chronic,	11	4	15			1	1	1	2	1	1	2		2	2
recurrent,	1	4	5			1			1						
puerperal,						1			1						
<i>a potu</i> ,	3		3	3		3			1						4
Melancholia, acute,	14	22	36	5	3	8	1	4	5	3	2	5			8
chronic,	2	5	7		1	1			2			2			2
recurrent,		1	1		1	1			1			2			3
senile,		2	2										3		3
Dementia, primary,		5	5	1		1			1			1			2
secondary,	7	3	10												7
senile,	6	1	7						1			7			8
organic,	3	5	8						1			10			11
Primary delusional insanity,															
Chronic delusional insanity,															
Toxic insanity,	9	2	11	5	2	7	1	1	2	1	3	4	1	3	4
Traumatic insanity,															
Moral insanity,															
Congenital mental deficiency,	3		3				1		1	3		4	1		4
B. — Habitual drunkards,															
C. — Not insane,	1		1												
Total of cases,	91	78	169	20	11	31	11	15	26	20	18	38	23	22	45
Total of persons,	89	77	166	20	11	31	10	14	24	20	18	38	22	22	44

14. — Discharges, Classified by Admissions and Results.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	14	10	24	8	10	18	17	13	30	16	15	31	4	—	4	18	13	31	77	61	138
Second,	4	1	5	2	3	5	1	4	5	4	5	9	—	—	—	2	4	6	13	17	30
Third,	1	—	1	1	1	2	—	1	1	1	2	3	—	—	—	—	—	—	3	4	7
Fourth,	1	—	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2
Fifth,	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Total of cases,	20	11	31	11	15	26	19	18	37	21	22	43	4	—	4	20	17	37	95	83	178
Total of persons,	20	11	31	10	14	24	19	18	37	20	22	42	4	—	4	20	17	37	93	82	175

15. — *Causes of Death.*

CAUSES.	INSANE.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system :—						
Exhaustion of mania, acute, . . .	1	—	1	1	—	1
chronic, . . .	1	—	1	1	—	1
toxic, . . .	—	1	1	—	1	1
melancholia, acute, . .	—	1	1	—	1	1
chronic, . . .	2	—	2	2	—	2
dementia, secondary, .	—	2	2	—	2	2
senile, . . .	2	—	2	2	—	2
Organic brain disease,	—	1	1	—	1	1
Paralysis,	1	2	3	1	2	3
Paresis,	2	—	2	2	—	2
Epilepsy,	2	2	4	2	2	4
Apoplexy,	1	2	3	1	2	3
Respiratory system :—						
Phthisis,	2	1	3	2	1	3
Pneumonia,	—	1	1	—	1	1
General :—						
Bright's disease,	1	1	2	1	1	2
Pyæmia,	1	—	1	1	—	1
Dysentery,	—	1	1	—	1	1
Suicide, by hanging,	—	2	2	—	2	2
drowning,	1	—	1	1	—	1
Old age,	3	—	3	3	—	3
Totals,	20	17	37	20	17	37

16. — Recoveries, classified by Duration of Disease and of Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Insane : —												
Congenital,	—	—	—	—	—	—	—	—	—	—	—	—
Under 1 month,	9	6	15	11	2	13	3	—	3	6	—	6
From 1 to 3 months,	2	—	2	6	3	9	8	3	11	7	3	10
3 to 6 months,	1	—	1	3	3	6	2	3	5	1	4	5
6 to 12 months,	—	—	—	—	2	2	1	1	2	1	1	2
1 to 2 years,	1	1	2	—	—	—	1	1	2	1	1	2
2 to 5 years,	—	—	—	—	—	—	—	1	1	—	1	1
5 to 10 years,	1	1	2	—	—	—	1	1	2	1	1	2
10 to 20 years,	—	1	1	—	—	—	—	1	1	—	—	—
Over 20 years,	—	1	1	—	—	—	—	1	1	—	—	—
Unknown,	6	—	6	—	—	—	5	—	5	3	—	3
Totals,	20	11	31	20	11	31	20	11	31	20	11	31
Average of known cases (in months),	11	64.27	28.12	3.85	11.18	6.45	14.2	76.09	38.88	12.88	31.81	20.32
										3.75	11.09	6.35

18. — *Annual Admissions, etc.* — Concluded.

[illegible]

1877-78,	9	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	3	4
1878-79,	14	9	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	4	9
1879-80,	9	11	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	10
1880-81,	9	17	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	8	14
1881-82,	12	10	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	9	9	12
1882-83,	13	17	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10	10	18
1883-84,	24	17	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	11	11	20
1884-85,	13	24	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1
1885-86,	22	25	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	21	21	45
1886-87,	14	15	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	24	24	23
1887-88,	25	19	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	13	13	34
1888-89,	20	22	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	13	13	38
1889-90,	16	20	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	19	19	38
1890-91,	10	13	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	21	21	38
1891-92,	20	17	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50	50	107
1892-93,	16	24	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57	57	
Totals,	495	485	980	6	1	7	3	5	8	2	5	7	5	7	7	12	2	4	6	238	242	480

20.—Showing the Results of First Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Number of persons on first admissions,	—	—	—	2253	2155	4408
Discharged recovered,	512	441	953	—	—	—
improved,	605	668	1273	—	—	—
unimproved,	431	418	849	—	—	—
not insane,	22	13	35	—	—	—
Died,	509	440	949	—	—	—
Remaining in the hospital Sept. 30, 1893,	174	175	349	2253	2155	4408

Showing the Results of Readmissions.

Readmitted,	—	—	—	495	485	980
Discharged recovered,	123	126	249	—	—	—
improved,	145	147	292	—	—	—
unimproved,	83	90	173	—	—	—
not insane,	2	2	4	—	—	—
Died,	78	53	131	—	—	—
Remaining in the hospital Sept. 30, 1893,	64	67	131	495	485	980

Showing the Results of Second Admissions.

Second admissions,	—	—	—	353	332	685
Discharged recovered,	88	69	157	—	—	—
improved,	92	102	194	—	—	—
unimproved,	63	66	129	—	—	—
not insane,	1	2	3	—	—	—
Died,	63	44	107	—	—	—
Remaining in the hospital Sept. 30, 1893,	46	49	95	353	332	685

Showing the Results of Third Admissions.

Third admissions,	—	—	—	88	76	164
Discharged recovered,	18	26	44	—	—	—
improved,	29	21	50	—	—	—
unimproved,	16	14	30	—	—	—
not insane,	1	—	1	—	—	—
Died,	12	6	18	—	—	—
Remaining in the hospital Sept. 30, 1893,	12	9	21	88	76	164

Showing the Results of Fourth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fourth admissions, . . .	—	—	—	23	35	58
Discharged recovered, . . .	9	8	17	—	—	—
improved, . . .	7	14	21	—	—	—
unimproved, . . .	2	4	6	—	—	—
Died, . . .	2	2	4	—	—	—
Remaining in the hospital Sept. 30, 1893,	3	7	10	23	35	58

Showing the Results of Fifth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifth admissions, . . .	—	—	—	11	14	25
Discharged recovered, . . .	4	7	11	—	—	—
improved, . . .	5	4	9	—	—	—
unimproved, . . .	—	2	2	—	—	—
Died, . . .	1	—	1	—	—	—
Remaining in the hospital Sept. 30, 1893,	1	1	2	11	14	25

Showing the Results of Sixth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Sixth admissions, . . .	—	—	—	7	10	17
Discharged recovered, . . .	2	5	7	—	—	—
improved, . . .	3	3	6	—	—	—
unimproved, . . .	2	2	4	7	10	17

Showing the Results of Seventh Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Seventh admissions, . . .	—	—	—	4	5	9
Discharged recovered, . . .	1	3	4	—	—	—
improved, . . .	2	—	2	—	—	—
unimproved, . . .	—	1	1	—	—	—
Died, . . .	—	1	1	—	—	—
Remaining in the hospital Sept. 30, 1893,	1	—	1	4	5	9

Showing the Results of Eighth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Eighth admissions, . . .	—	—	—	2	3	5
Discharged recovered, . . .	1	2	3	—	—	—
improved, . . .	1	—	1	—	—	—
unimproved, . . .	—	1	1	2	3	5

Showing the Results of Ninth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Ninth admissions, . . .	-	-	-	1	2	3
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	1	2	1	2	3

Showing the Results of Tenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Tenth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing the Results of Eleventh Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Eleventh admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing the Results of Twelfth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Twelfth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing the Results of Thirteenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Thirteenth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing the Results of Fourteenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fourteenth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing the Results of Fifteenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteenth admissions, . . .	-	-	-	1	1	2
Discharged improved, . . .	-	1	1	-	-	-
Remaining in the hospital Sept. 30, 1893,	1	-	1	1	1	2

Showing the Results of Sixteenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Sixteenth admissions, . . .	—	—	—	—	1	1
Discharged improved, . . .	—	1	1	—	1	1

Showing the Results of Seventeenth Admissions.

Seventeenth admissions, . . .	—	—	—	—	1	1
Remaining in the hospital Sept. 30, 1893,	—	1	1	—	1	1

21. — Operations of the Hospital, from the Beginning, in Each Year.

	ADMITTED.			DISCHARGED AND DIED.												Whole Number of Cases in the Year.	Number of Patients at end of the Year.							
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.					NOT INSANE.			DIED.			
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			Males.	Females.	Totals.				
1858,—2 months,	99	129	228	—	—	—	—	—	—	4	—	4	2	2	4	—	—	—	—	—	—	—	228	220
1858-59, . . .	46	47	93	18	15	33	9	9	18	7	5	12	7	5	12	—	—	—	7	12	19	313	311	
1859-60, . . .	73	94	167	19	16	35	—	—	—	12	10	22	2	2	4	—	—	—	9	18	27	398	310	
1860-61, . . .	71	53	124	18	17	35	—	—	—	14	14	28	4	7	11	—	—	—	15	15	30	434	330	
1861-62, . . .	64	48	112	19	15	34	—	—	—	27	15	42	9	5	14	1	—	—	9	10	19	442	332	
1862-63, . . .	70	68	138	12	16	28	—	—	—	16	10	26	4	3	7	—	—	—	19	7	26	470	383	
1863-64, . . .	47	45	92	30	19	49	—	—	—	19	15	34	4	6	10	—	1	—	17	30	47	475	334	
1864-65, . . .	70	64	134	17	16	33	—	—	—	14	15	29	8	5	13	—	—	—	17	24	41	468	352	
1865-66, . . .	75	61	136	16	10	26	—	—	—	12	7	19	5	2	7	—	—	—	18	13	31	488	405	
1866-67, . . .	61	77	138	24	18	42	—	—	—	15	13	28	6	7	13	—	—	—	23	24	47	543	413	
1867-68, . . .	68	84	152	21	19	40	—	—	—	22	27	49	5	7	12	—	—	—	25	18	43	565	421	
1868-69, . . .	84	85	169	31	18	49	—	—	—	23	33	56	20	38	58	—	—	—	13	12	25	590	402	
1869-70, . . .	90	112	202	23	27	50	—	—	—	15	43	58	22	34	56	—	2	—	22	11	33	604	405	
1870-71, . . .	109	102	211	16	27	43	—	—	—	23	41	64	31	30	61	—	—	—	16	12	28	616	420	
1871-72, . . .	101	98	199	25	15	40	—	—	—	33	27	60	22	27	49	—	—	—	19	18	37	619	433	
1872-73, . . .	102	79	181	19	29	48	—	—	—	37	22	59	23	29	52	—	1	—	13	8	21	614	433	
1873-74, . . .	105	88	193	25	12	37	—	—	—	24	19	43	27	18	45	—	—	—	14	11	25	626	476	
1874-75, . . .	75	78	153	16	13	29	—	—	—	21	24	45	17	21	38	—	—	—	23	18	41	629	476	
1875-76, . . .	76	77	153	19	13	32	—	—	—	18	31	49	24	23	47	—	—	—	18	19	37	629	464	
1876-77, . . .	68	71	139	15	18	33	—	—	—	8	13	21	15	17	32	—	—	—	21	21	42	603	475	

1877-78,	.	40	36	76	7	19	26	-	-	-	17	27	44	16	13	29	-	-	-	14	9	23	551	429
1878-79,	.	63	43	106	13	13	26	-	-	-	15	13	28	11	3	14	1	1	2	14	9	23	535	442
1879-80,	.	59	58	117	16	12	28	5	7	12	11	12	23	9	10	19	2	-	2	17	12	29	559	446
1880-81,	.	57	66	123	7	13	20	6	7	13	15	15	30	6	10	16	1	-	1	16	10	26	569	463
1881-82,	.	62	62	124	13	15	28	4	9	13	7	14	21	14	13	27	-	1	1	24	14	38	587	459
1882-83,	.	73	69	147	11	17	28	9	-	9	18	15	33	21	14	35	1	1	2	17	13	30	606	469
1883-84,	.	61	75	136	9	16	25	6	11	17	16	19	35	16	20	36	3	1	4	12	13	25	605	463
1884-85,	.	66	70	136	17	12	29	4	5	9	12	17	29	10	16	26	1	2	3	16	11	27	599	476
1885-86,	.	85	98	183	10	19	29	8	2	10	23	36	59	20	23	43	1	-	1	14	12	26	659	491
1886-87,	.	72	76	148	16	8	24	5	3	8	36	31	67	21	16	37	1	2	3	13	18	31	639	469
1887-88,	.	87	79	166	23	13	36	3	6	9	25	22	47	12	17	29	2	-	2	14	17	31	635	481
1888-89,	.	98	57	155	27	15	42	6	6	12	25	40	65	35	8	43	2	1	3	18	7	25	636	446
1889-90,	.	91	79	170	18	14	32	5	9	14	17	17	34	12	5	17	1	2	3	12	9	21	616	495
1890-91,	.	82	59	141	29	16	45	7	7	14	27	26	53	18	22	40	-	-	-	19	12	31	636	453
1891-92,	.	102	75	177	16	21	37	9	10	19	13	8	21	15	8	23	3	-	3	29	9	38	630	489
1892-93,	.	91	78	169	20	11	31	11	15	26	19	18	37	21	22	43	4	-	4	20	17	37	658	480
Totals,	.	2,748	2,640	5,388	635	567	1,202	88	97	185	682	718	1,380	514	508	1,022	24	15	39	587	493	1,080	-	-

22.—Classed Average of Patients.

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65,	225.10	48.16	69.83	343.25
1865-66,	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67,	261.96	49.46	89.75	401.17
1867-68,	262.65	47.92	103.06	413.63
1868-69,	248.52	54.98	101.46	404.96
1869-70,	236.19	65.04	107.23	408.46
1870-71,	234.10	77.07	118.38	429.55
1871-72,	226.96	89.57	112.27	428.80
1872-73,	248.02	99.23	90.00	437.25
1873-74,	284.48	102.88	82.06	469.42
1874-75,	274.35	128.34	72.46	475.15
1875-76,	259.19	146.02	68.94	474.15
1876-77,	254.84	161.58	60.02	476.44
1877-78,	211.90	175.71	54.75	442.36
1878-79,	200.34	182.29	54.23	436.86
1879-80,	197.03	198.01	54.46	450.50
1880-81,	180.82	214.15	57.19	452.15
1881-82,	166.84	238.25	56.52	461.61
1882-83,	161.62	247.63	57.58	466.83
1883-84,	155.10	251.23	56.06	462.39
1884-85,	154.44	261.58	59.82	475.84
1885-86,	140.23	270.52	63.61	474.36
1886-87,	122.78	289.38	66.00	478.16
1887-88,	112.17	294.01	64.01	470.19
1888-89,	104.67	303.01	61.31	468.99
1889-90,	96.86	311.17	62.07	470.10
<i>Daily Average.</i>				
1890-91,	90.71	297.78	68.51	457.00
1891-92,	85.64	309.42	74.03	469.09
1892-93,	75.83	338.72	65.71	480.26

23.—*Monthly Consumption of Gas.*

MONTHS.	Cubic Feet.	Daily Average.
1892.		
October,	55,200	1,780.64
November,	64,800	2,160.00
December,	80,200	2,587.09
1893.		
January,	73,500	2,370.96
February,	62,300	2,225.00
March,	57,100	1,841.93
April,	52,980	1,766.00
May,	32,100	1,035.48
June,	24,150	805.00
July,	23,375	754.03
August,	31,050	1,001.61
September,	46,550	1,551.66
Totals,	603,305	1,652.89

24. — Supplies for the Several Departments for the Year 1892-93.

	Sheets.	Pillow Cases.	Bed Spreads.	Blankets.	Bed Ticks.	Pillow Ticks.	Towels.	Curtains.	Wash Bowls.	Bwers.	Chambers.	Mirrors.	Hair Brushes.	Combs.	Carpet Strips.	Plates.	Cups.	Saucers.	Tumblers.	Mugs.	Bowls.	Pitchers.	Knives.	Forks.	Vegetable Dishes.
<i>Men's Department.</i>																									
Upper 1st Hall,	20	18	-	4	7	2	18	-	-	-	2	9	1	2	-	-	6	12	6	-	-	2	-	4	-
2d Hall,	28	22	4	8	2	10	12	-	-	-	11	-	4	2	8	18	18	24	18	12	12	3	1	12	-
3d and 4th Halls,	54	30	-	6	13	22	16	5	-	-	9	-	2	3	8	12	12	6	-	-	6	2	6	-	-
Middle 1st Hall,	40	16	3	12	12	10	6	-	-	-	-	-	2	3	7	18	12	33	6	-	1	5	4	5	-
2d Hall,	42	38	10	14	5	10	6	-	-	-	38	1	1	7	20	12	33	30	-	-	6	4	1	3	-
3d and 4th Halls,	46	32	12	20	10	2	24	7	-	-	15	-	5	3	13	16	34	18	2	-	1	4	1	1	-
Lower 1st Hall,	-	12	5	6	8	12	-	8	-	-	10	-	2	5	16	-	18	-	-	-	-	7	3	-	-
2d Hall,	74	20	-	14	10	16	12	5	-	-	22	1	3	5	16	6	54	24	6	-	4	1	1	1	-
3d and 4th Halls,	64	34	12	36	-	9	18	-	-	-	24	-	3	3	16	6	54	24	2	-	-	6	-	-	-
<i>Women's Department.</i>																									
Upper 1st Hall,	12	-	8	3	-	-	30	-	-	1	4	1	-	-	2	36	36	84	48	6	12	3	9	-	-
2d Hall,	36	24	18	18	2	2	30	12	-	-	6	-	-	32	-	-	12	12	24	6	6	2	2	6	-
3d and 4th Halls,	72	12	2	4	2	1	12	4	-	-	1	1	-	20	-	-	24	24	12	-	6	6	9	5	-
Middle 1st Hall,	34	40	20	4	-	1	54	-	2	3	12	1	-	14	10	36	24	12	60	-	6	9	5	2	-
2d Hall,	120	72	18	25	1	1	102	48	1	1	30	-	1	58	4	12	36	24	24	-	30	5	2	2	-
3d and 4th Halls,	108	12	26	24	-	15	60	-	1	1	18	-	1	80	10	18	6	6	12	-	48	1	2	1	-
Lower 1st Hall,	24	60	12	-	-	6	18	-	-	-	6	-	2	32	5	24	24	6	12	-	18	6	4	-	-
2d Hall,	120	84	4	36	14	6	12	-	-	-	12	-	2	40	10	6	6	24	6	-	18	3	-	-	-
3d and 4th Halls,	72	24	-	36	17	15	36	-	1	2	30	1	1	48	-	12	12	12	-	-	12	2	-	-	-
Kitchen,	-	19	-	20	-	6	6	-	-	-	3	5	-	1	18	36	18	18	30	-	18	5	12	6	11
Rear,	33	19	-	20	-	6	6	-	-	-	3	5	-	1	18	36	18	18	30	-	18	5	12	6	11
Centre,	8	10	-	-	-	9	9	-	-	-	-	-	-	-	-	-	-	-	3	-	-	4	-	-	-
Aggregates,	1007	591	178	288	101	129	503	91	5	8	259	16	23	350	130	436	403	354	251	18	177	75	47	35	13

24. — Supplies for the Several Departments for the Year 1892-93 — Concluded.

	Spoons.	Table Spreads.	Napkins.	Tin Plates.	Tin Cups.	Iron Spoons.	Dish Towels.	Rollers.	Wash Basins.	Brooms.	Soap, Pounds.	Sand Soap.	Whisks.	Dust Brushes.	Scrub Brushes.	Dust Pans.	Mops.	Pails.	Spittoons.	Blacking.	Shoe Brushes.	Spools Thread.	Papers Needles.	Papers Pins.	Clothes Bags.
<i>Men's Department.</i>																									
Upper 1st Hall,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2d Hall,	6	2	12	1	1	1	24	30	6	13	40	3	5	1	1	3	1	1	1	4	1	1	1	1	1
3d and 4th Halls,	12	1	12	1	1	1	42	12	1	19	54	7	6	4	1	1	4	2	2	1	7	1	1	1	1
Middle 1st Hall,	.	.	.	.	.	.	12	12	1	18	42	31	3	2	3	1	7	5	5	8	1	1	1	2	1
2d Hall,	74	1	1	1	1	1	12	12	1	11	72	39	3	2	3	1	7	5	5	13	1	1	1	2	1
3d and 4th Halls,	48	1	1	1	6	1	24	30	1	33	102	21	2	3	3	2	10	7	1	15	1	3	1	1	1
Lower 1st Hall,	18	1	1	1	12	1	12	6	1	11	100	14	2	3	3	2	16	4	1	6	1	1	1	1	1
2d Hall,	12	1	1	1	6	1	24	24	1	34	82	25	2	3	3	2	18	5	1	13	1	1	1	1	1
3d and 4th Halls,	12	1	1	1	6	1	24	18	1	41	76	25	2	3	2	2	18	5	1	13	1	1	1	1	1
<i>Women's Department.</i>																									
Upper 1st Hall,	6	1	12	1	1	1	6	1	1	9	64	3	3	1	1	1	2	2	1	1	1	7	4	4	1
2d Hall,	1	1	24	1	1	1	14	14	1	22	86	4	1	4	1	4	3	1	1	1	1	10	5	6	1
3d and 4th Halls,	12	1	1	1	1	12	12	6	1	14	127	4	4	1	1	3	5	1	1	1	1	40	4	11	1
Middle 1st Hall,	12	3	1	1	1	1	12	6	1	11	84	2	4	3	1	3	4	4	1	1	1	10	7	10	1
2d Hall,	6	4	1	1	12	108	6	6	1	31	100	2	1	3	1	3	16	4	1	1	1	32	2	11	1
3d and 4th Halls,	12	4	1	6	6	48	12	1	2	21	112	3	1	2	1	1	14	2	1	1	1	24	9	13	1
Lower 1st Hall,	12	1	1	1	6	1	12	1	1	16	98	2	1	4	1	1	3	2	1	1	1	23	2	7	2
2d Hall,	12	3	1	6	24	24	12	1	1	28	105	8	1	1	1	1	26	5	1	1	1	22	7	14	1
3d and 4th Halls,	12	1	1	6	30	48	24	6	1	42	135	12	2	2	1	2	7	3	1	3	1	18	6	17	1
Kitchen,	1	1	1	1	12	1	1	1	1	78	189	6	13	3	4	3	8	21	1	1	1	4	1	24	3
Rear,	1	1	1	1	1	1	12	1	1	7	102	6	2	3	7	3	1	1	1	1	1	4	1	1	1
Centre,	1	1	1	1	1	1	1	1	1	1	102	6	2	3	7	3	1	1	1	1	1	1	1	1	1
Aggregates,	219	23	48	30	108	244	246	186	11	512	1908	199	62	47	29	34	148	91	5	87	13	199	46	124	12

25.—*Days' Work by Patients.*

MONTHS.	FARM.	KITCHEN.			SEWING-ROOM.	LAUNDRY.		
	Men.	Men.	Women.	Totals.	Women.	Men.	Women.	Totals.
1892.								
October, . . .	671	124	169	293	278	25	353	378
November, . .	642	120	185	305	275	24	366	390
December, . .	654	124	161	285	285	24	392	416
1893.								
January, . . .	605	124	151	275	318	25	409	434
February, . .	482	112	152	264	288	23	336	359
March, . . .	547	124	158	282	313	37	402	439
April, . . .	529	120	117	237	234	42	335	377
May, . . .	591	124	191	315	252	28	410	438
June, . . .	597	120	189	309	316	52	379	431
July, . . .	653	124	162	286	395	47	398	445
August, . . .	634	124	163	287	252	50	389	439
September, . .	611	120	151	271	247	47	389	436
Totals, . . .	7216	1460	1949	3409	3453	424	4558	4982

26. — List of Articles made in the Sewing-room.

Dresses,	278	Dish towels,	468
Skirts,	152	Sheets,	916
Shirts,	262	Pillow cases,	568
Waists,	10	Spreads hemmed,	163
Night-dresses,	48	Table cloths,	34
Drawers,	146	Napkins,	30
Chemise,	130	Hats trimmed,	22
Aprons,	235	Pillow ticks,	120
Caps,	353	Mattress ticks,	119
Suspenders,	169	Clothes bags,	17
Camisoles,	24	Yards carpeting made,	252
Curtains,	14	Carpet strips hemmed,	153
Roller towels,	175	Articles repaired,	17,355

27. — Upholstery done in the Year.

Hair mattresses made, new materials,	23
Hair mattresses made, new ticks,	87
Hair mattresses made, old materials,	50
Hair pillows made, new materials,	22
Hair pillows made, old materials,	186

28. — *Annual Cost of Gas.*

YEAR.	Cost of Gas.	Average Number of Patients.	Cost per Patient.
1860-61,	\$2,030 39	314.26	\$6 46
1861-62,	2,085 29	313.80	6 64
1862-63,	2,109 02	355.63	5 93
1863-64,	2,069 79	357.63	5 78
1864-65,	1,653 05	342.40	4 82
1865-66,	1,107 98	376.35	2 94
1866-67,	1,056 16	401.03	2 63
1867-68,	1,022 51	413.41	2 47
1868-69,	903 92	405.10	2 23
1869-70,	915 30	408.83	2 23
1870-71,	1,043 99	421.90	2 47
1871-72,	980 94	428.72	2 28
1872-73,	1,006 61	437.23	2 30
1873-74,	1,066 74	469.54	2 27
1874-75,	1,012 63	475.35	2 13
1875-76,	1,089 82	474.21	2 29
1876-77,	1,033 59	476.16	2 17
1877-78,	1,066 02	442.43	2 41
1878-79,	1,033 05	436.73	2 37
1879-80,	954 00	450.51	2 10
1880-81,	949 65	451.79	2 10
1881-82,	919 13	461.66	2 00
1882-83,	992 10	466.76	2 10
1883-84,	1,031 55	463.05	2 23
1884-85,	912 49	475.94	1 92
1885-86,	882 90	474.40	1 86
1886-87,	854 97	478.54	1 97
1887-88,	901 74	470.25	1 91
1888-89,	955 51	469.10	2 04
1889-90,	977 17	470.5	2 07
1890-91,	1,016 50	457.	2 22
1891-92,	1,083 19	469.09	2 31
1892-93,	1,068 86	480.26	2 22

29. — Trustees of the Northampton Lunatic Hospital.

NAMES.	Residence.	When app'ted.	Service ended.	From What Cause
Charles E. Forbes,* . .	Northampton, . . .	1856	1857	Term expired.
Lucien C. Boynton,* . .	Uxbridge, . . .	1856	1858	Term expired.
Eliphalet Trask,* . .	Springfield, . . .	1856	1875	Term expired.
John C. Russell,* . .	Great Barrington, . .	1856	1859	Resigned.
Horace Lyman, . . .	Greenfield, . . .	1856	1857	Removed.
Charles Smith,* . . .	Northampton, . . .	1857	1860	Resigned.
Luther V. Bell,* . . .	Somerville, . . .	1857	1859	Resigned.
Zebina L. Raymond,* . .	Greenfield, . . .	1858	1859	Resigned.
Franklin Ripley,* . .	Greenfield, . . .	1859	1860	Died in office.
Edward Dickinson,* . .	Amherst, . . .	1859	1864	Resigned.
Walter Laffin,* . . .	Pittsfield, . . .	1859	1866	Term expired.
Silas M. Smith,* . . .	Northampton, . . .	1860	1863	Term expired.
Charles Allen, . . .	Greenfield, . . .	1860	1861	Resigned.
Alfred R. Field,* . . .	Greenfield, . . .	1861	1864	Resigned.
Edward Hitchcock, . .	Amherst, . . .	1863	1879	Resigned.
Silas M. Smith,* . . .	Northampton, . . .	1864	1887	Died in office.
Edmund H. Sawyer,* . .	Easthampton, . . .	1864	1879	Died in office.
Henry L. Sabin,* . . .	Williamstown, . . .	1866	1876	Term expired.
Adams C. Deane, . . .	Greenfield, . . .	1875	—	Still in office.
Henry W. Taft, . . .	Pittsfield, . . .	1876	1893	Term expired.
William M. Gaylord, . .	Northampton, . . .	1879	1883	Term expired.
Lyman D. James, . . .	Williamsburg, . . .	1879	—	Still in office.
Christopher Merritt, . .	Springfield, . . .	1883	1888	Term expired.
Sarah A. Woodworth, . .	Chicopee, . . .	1884	—	Still in office.
Sarah M. Butler, . . .	Northampton, . . .	1884	—	Still in office.
John L. Otis, . . .	Florence, . . .	1887	1890	Resigned.
N. A. Leonard,* . . .	Springfield, . . .	1888	1890	Died in office.
Alvan Barrus, . . .	Goshen, . . .	1890	—	Still in office.
Elisha Morgan, . . .	Springfield, . . .	1890	—	Still in office.
William D. MacInnes, . .	Pittsfield, . . .	1893	—	Still in office.

* Deceased.

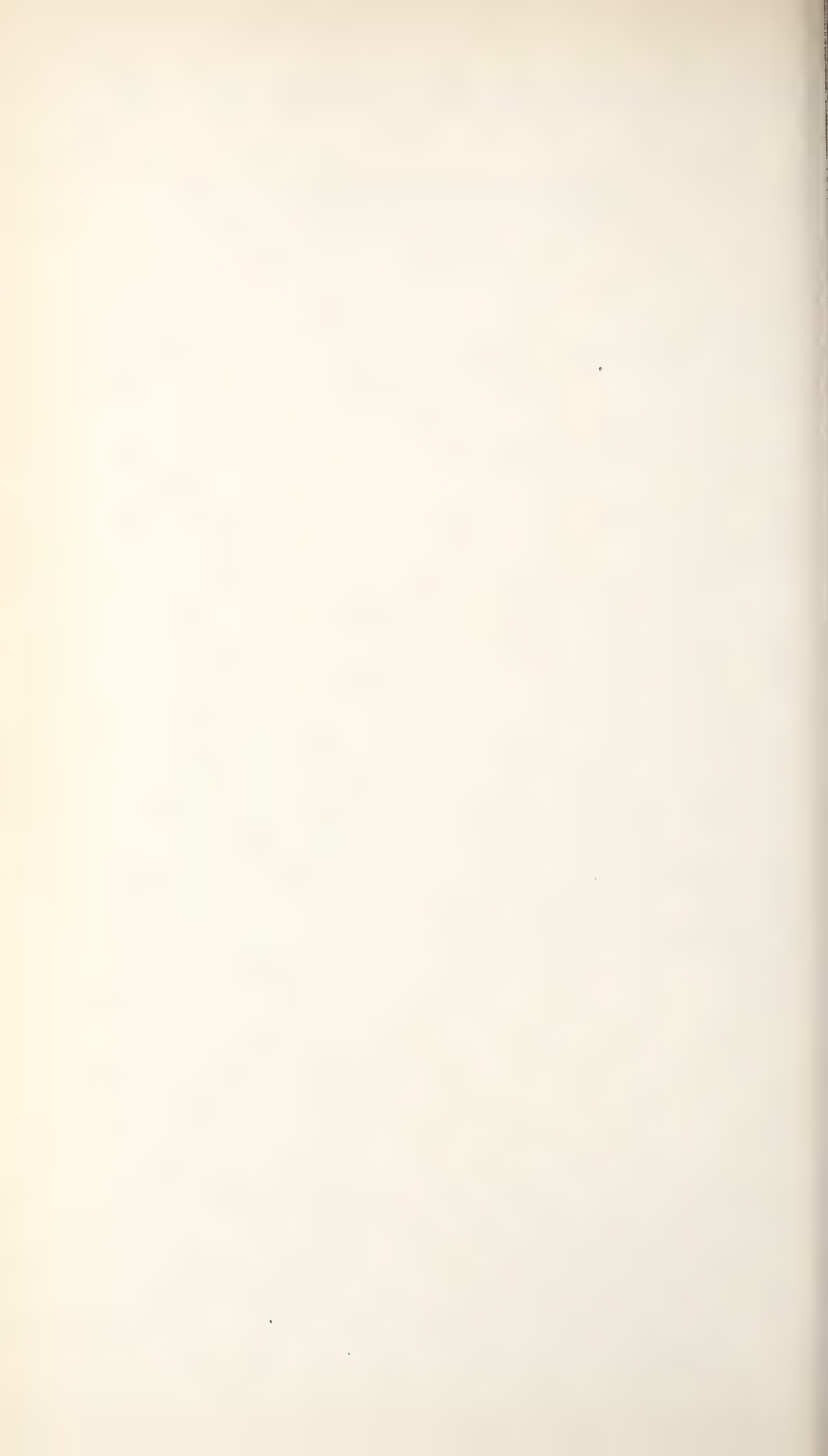
30. — *Officers and Employees.*

Time employed, Oct. 1, 1893.

NAMES.	Years.	Months.	Days.
Edward B. Nims, M.D., superintendent, . . .	24	9	16
John A. Houston, M.D., assistant physician, . . .	4	—	7
Charles M. Holmes, M.D., assistant physician, . . .	4	2	21
Jane R. Baker, M.D., female physician, . . .	1	1	28
Lewis F. Babbitt, clerk, . . .	1	11	19
John Mercier, farmer, . . .	26	2	—
Danford Morse, engineer, . . .	28	6	9
Robert H. Gallivan, supervisor, . . .	20	5	13
Lucy A. Gilbert, supervisor, . . .	26	7	20
Benjamin Grant, steward, . . .	—	10	16
George B. Walker, baker, . . .	9	3	22
Bradamant Fairbanks, seamstress, . . .	1	8	3
Chloe L. Marks, laundress, . . .	1	4	—
Inez M. Field, assistant clerk, . . .	3	9	3
Elizabeth Bycraft, assistant supervisor, . . .	2	—	1
Martin Sawyer, assistant steward, . . .	2	—	26
Mattie Jones, assistant seamstress, . . .	1	10	16
Mary A. McKenzie, assistant laundress, . . .	2	—	16
Fannie Gilbert, assistant laundress, . . .	—	5	21
Myrtie A. McVeta, assistant laundress, . . .	—	3	5
Mary Bradley, assistant laundress, . . .	—	—	12
Henry W. Estey, attendant, . . .	11	6	7
Albertus A. Powers, attendant, . . .	2	—	14
Martin V. B. Vance, attendant, . . .	1	8	7
Samuel L. Williams, attendant, . . .	1	3	4
Charles J. Downey, attendant, . . .	1	1	4
Max A. Gerald, attendant, . . .	—	9	25
Walter Shippey, attendant, . . .	—	2	11
Leroy C. Decker, attendant, . . .	—	5	7
Fred P. Wilson, attendant, . . .	—	5	6
Willie G. Davis, attendant, . . .	—	4	26
Arthur Le Duc, attendant, . . .	—	3	27
Clarke F. Wilkinson, attendant, . . .	—	3	23
Allen E. Cooley, attendant, . . .	—	3	1
William Martin, attendant, . . .	—	1	17
Edward R. Cover, attendant, . . .	—	1	10
William Day, attendant, . . .	—	—	24
Delbert L. Gordon, attendant, . . .	—	2	17
Jeanette McLean, attendant, . . .	10	1	3
Cecile Riel, attendant, . . .	15	8	9
Jennie E. O'Brien, attendant, . . .	1	3	29
Mary A. Dobson, attendant, . . .	1	1	9
Marie A. Dutcher, attendant, . . .	—	5	10
Katie Rauch, attendant, . . .	—	4	21
Jessie Boomhower, attendant, . . .	—	2	25
Jennie Lilley, attendant, . . .	—	1	20
Delia Ryan, attendant, . . .	—	1	14
Helen S. Underhill, attendant, . . .	—	1	12
Kamilla Boeske, attendant, . . .	—	—	12
Margaret E. Probert, attendant, . . .	—	1	—

30. — Officers and Employees — Concluded.

NAMES.	Years.	Months.	Days.
Maud Stuart, attendant,	—	1	—
Katie Larkin, attendant,	—	—	12
Bridget Carey, attendant,	—	—	6
Luella Field, night watch,	1	4	20
Hattie Darling, centre,	6	10	—
Abbie Larabee, centre,	1	8	5
Louise Parker, centre,	—	5	5
Alice A. Hawkes, farmers' dining-room,	5	9	27
Alice Grant, cook,	—	10	16
Mary Mangan, cook,	4	9	6
Annie Goodwin, cook,	—	4	3
Eda Swanson, cook,	—	4	7
Bridget Mangan, cook,	—	4	6
Ida M. Hebard, rear,	—	5	13
William C. Hall, assistant engineer,	28	—	20
Nicholas Riel, night engineer,	17	9	25
William E. Larabee, watchman,	1	8	15
Sifroi Belleville, carpenter,	23	5	7
Walter Tower, carpenter,	15	10	—
Alfred Parenteau, painter,	28	1	18
David Mercier, coachman,	16	7	14
Benjamin Rockwell, assistant farmer,	26	4	—
Henry Wilson, assistant farmer,	14	5	8
James Madden, assistant farmer,	18	—	29
Eugene Sullivan, assistant farmer,	18	5	—
Eugene L. Hathaway, assistant farmer,	1	5	20
Patrick Eagan, assistant farmer,	1	1	8
George Irwin, assistant farmer,	—	10	10
Thomas Donahoe, assistant farmer,	—	11	28
Xavia Dion, assistant farmer,	—	3	17
John Kuhback, assistant baker,	—	4	21
John Bourke, car boy,	—	4	14
George W. Thorniley, florist,	—	5	12



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PUBLIC DOCUMENT No. 21.

THIRTY-NINTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1894.

BOSTON :
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1895.



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STATE HOUSE BOSTON

Office of Govt.

MASSACHUSETTS
TO
ATTORNEY GENERAL

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OFFICERS

OF THE

NORTHAMPTON LUNATIC HOSPITAL.

TRUSTEES.

HON. ELISHA MORGAN,	SPRINGFIELD.
HON. ALVAN BARRUS,	GOSHEN.
MRS. SARAH A. WOODWORTH,	CHICOPEE.
MRS. SARAH M. BUTLER,	NORTHAMPTON.
ADAMS C. DEANE, M.D.,	GREENFIELD.
WILLIAM D. MACINNES, Esq.,	PITTSFIELD.
LYMAN D. JAMES, Esq.,	WILLIAMSBURG.

RESIDENT OFFICERS.

EDWARD B. NIMS, M.D.,	<i>Superintendent.</i>
JOHN A. HOUSTON, M.D.,	<i>Assistant Physician.</i>
CHARLES M. HOLMES, M.D.,	<i>Assistant Physician.</i>
JANE R. BAKER, M.D.,	<i>Female Physician.</i>
LEWIS F. BABBITT,	<i>Clerk.</i>
JOHN MERCIER,	<i>Farmer.</i>
DANFORD MORSE,	<i>Engineer.</i>

TREASURER.

EDWARD B. NIMS,	NORTHAMPTON.
---------------------------	--------------

Office at the Hospital.

SUBORDINATE OFFICERS.

ROBERT H. GALLIVAN,	<i>Male Supervisor.</i>
LUCY A. GILBERT,	<i>Female Supervisor.</i>
BENJAMIN GRANT,	<i>Steward.</i>
BRADAMANTE FAIRBANKS,	<i>Seamstress.</i>
CHLOE L. MARKS,	<i>Laundress.</i>
GEORGE B. WALKER,	<i>Baker.</i>



Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The report of the trustees of this hospital for the year ending Sept. 30, 1894, is hereby presented for your consideration. It includes a summary of the changes in population, the improvements which have been made within the official year, and a brief account of the finances of the institution. The reports of the treasurer and superintendent, which follow, give the operations of the hospital more in detail. We have no unusual event to record. An average degree of success has been attained in all departments. The health of the patients has been good. The sanitary condition of the female wing of the building has been very much improved.

The number of patients in the hospital Oct. 1, 1893, was 480: of men, 238; of women, 242. The number admitted within the year was 172: of men, 89; of women, 83. Seventy-nine men and 69 women have been discharged, including 37 deaths. Five hundred and four patients remained in the hospital Sept. 30, 1894, — 248 men, 256 women. Thirty-two were discharged as recovered, 28 as improved, 14 as much improved, 36 as unimproved, and not insane, 1. The daily average in the house was 494.11. The number of cases treated was 652. The increase in the number of patients has been quite marked, notwithstanding that 25 cases were transferred to other institutions and 16 were removed out of the State, in the course of the year.

The largest number of patients in the house on any day was 512; the smallest, 477. The number of acute cases increases

each year, and with the larger number comes more care and more work. The care of patients at night is very much greater than formerly. The result is that more attendants are required. The increase in wages for the past year was \$4,926.45, mainly on this account. Fortunately, the decrease in the cost of provisions and clothing enables the institution to meet its bills so far without any special appropriations. The improvements and repairs in the hospital have been continued through the year, and have been advanced as far as practicable. The dormitory in the building known as the storehouse, mention of which was made in the last report, has been completed, and is now ready for the accommodation of 50 patients.

An excellent system of heating and ventilation has been installed.

An extra staircase was made in the end opposite the main staircase. This was required by the State inspector of buildings for protection in case of fire. The work in the female wing is also completed. This wing is now provided with three iron staircases, enclosed by brick walls that are fireproof. Fire walls divide the wing into three sections. The wing is also separated from the centre building by a fire wall. The dining and bath rooms and closets have been refitted. New ceilings, new ash doors and casings, with new floors and walls painted throughout in cheerful colors, give this part of the house the appearance of a new building. A new fire wall also separates the male wing from the centre building.

The new system of ventilation which was put in the female wing last year has been very satisfactory, giving an abundant supply and free circulation of air under the most unfavorable atmospheric conditions.

The new heating apparatus is also very efficient. The same system of heating and ventilation is nearly completed in the male wing. All the buildings except the male wing are now wired for electric lighting. The plant will be in operation in a few weeks.

Six hydraulic elevators have been placed in the wings for the use of the eighteen dining-rooms, also one in the centre building and one in the new laundry. A building 48 by 30 feet, and one story in height, has been erected on the south side of the rear wing, which will serve as an addition to the

kitchen, nearly doubling it in size. A complete set of new kitchen apparatus is being placed in this addition. This will remove the kitchen proper from under the main wing, and will be a valuable improvement.

The bakery is being furnished with a new oven. The dormitory for female help over the new laundry is now completed.

The new laundry has been equipped with a complete set of apparatus, consisting of two centrifugal wringers, four brass cylinder washing machines, a tumbler, disinfecting tank, a large double cylinder mangle, drying rooms, etc. It has been in use, for several months, with satisfactory results.

The new chapel is now in process of construction. It occupies the upper two stories of the rear wing, back of the old chapel, with an extension of twenty-five feet in the rear. The audience room will be 74 by 56 feet, with a gallery at one end. The walls have been strengthened by an outside casing of brick and piers. The roof is supported by iron trusses. A tower three stories in height has been built on each side, at the junction of the old and new chapel, in which will be placed iron staircases. These will give a safe exit from the rear of the centre building and from the chapel in case of necessity. Still farther in the rear is a hall provided with an iron staircase, surrounded by brick walls and with brick arched floors, affording a fireproof exit from the rear of the chapel, also from the dormitory for male help on one side, and the laundry and dormitory for female help on the other.

The building of the infirmary ward, which was mentioned in the last report, was postponed for want of funds. It is very much needed to complete the proper classification of patients, and it is hoped that it may be built soon.

During the year past contracts have been made by the building committee when practicable. The largest part of the work has been done by the day, as it was of such a miscellaneous character that contracts could not be made to advantage. The laborers on the day work have been hired by the hospital directly and paid by the same. Materials have been purchased in the same way, generally at low rates.

Of the appropriation of 1893, \$25,000 was expended and the appropriation of 1894, which was \$50,000.

Of the hospital surplus, \$12,502.11 has been expended.

The report of the treasurer shows —

Cash assets, Sept. 30, 1894,	\$44,026 62
Liabilities,	12,959 73
	<hr/>
Balance,	\$31,066 89

The value of purchased supplies on hand Sept. 30, 1894, is \$10,993.98.

The products of the farm on hand are estimated to be worth \$9,163.00.

The following gives the amounts charged the different classes of patients : —

State patients,	\$14,267 55
Town patients,	56,662 80
Private patients,	18,539 84
	<hr/>
Total,	\$89,470 19

The official staff has not been changed the past year.

The trustees take this opportunity to express their satisfaction with the superintendent and his assistants for their faithful and efficient service in the care of the patients and the successful management of the institution.

ELISHA MORGAN.
ALVAN BARRUS.
SARAH A. WOODWORTH.
SARAH M. BUTLER.
A. C. DEANE.
WM. D. MACINNES.
LYMAN D. JAMES.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1894.

Superintendent and physician,	per year, \$2,500 00
Assistant physician, first,	" 1,500 00
Assistant physician, second,	" 700 00
Female physician,	" 600 00
Treasurer,	" 300 00
Treasurer, for clerk hire and paid to clerk,	" 200 00
Clerk,	" 1,200 00
Farmer,	" 700 00
Engineer,	" 1,200 00
Assistant clerk,	per month, 30 00
Supervisor (male),	" 50 00
Supervisor (female),	" 30 00
Assistant supervisor (female),	" 25 00
Seamstress,	" 20 00
Assistant seamstress,	" 16 00
Laundress,	" 18 00
Laundryman, without board,	" 60 00
Assistant laundress, without board,	" 22 00
Assistant laundress,	" 16 00
Baker,	" 45 00
Assistant baker,	" 25 00
Steward,	" 50 00
Assistant steward,	" 35 00
Attendants (male, 11),	" 30 00
Attendants (male, 4),	" 25 00
Attendant (male),	" 23 00
Attendants (male, 2),	" 21 00
Night watch (male),	" 30 00
Attendants (female, 7),	" 20 00

Attendant (female),	per month,	\$18 00
Attendants (female, 5),	"	16 00
Attendant (female),	"	15 00
Attendants (female, 4),	"	14 00
Night watch (female, 2),	"	20 00
Night watch (female),	"	14 00
Housework, centre (female),	"	17 00
Housework, centre (female, 2),	"	16 00
Housework, rear building (female),	"	14 00
Cooks (female, 2),	"	20 00
Cooks (female, 3),	"	16 00
Farmers' dining-room (female),	"	16 00
Watchman,	"	30 00
Carpenter,	per day,	2 25
Carpenter,	"	2 00
Painter,	per month,	50 00
Night engineer and gardener in summer,	"	30 00
Fireman,	"	25 00
Coachman,	"	30 00
Car boy,	"	20 00
Florist, without board,	"	50 00
Farm hands (2),	"	30 00
Farm hands (3),	"	28 00
Farm hand,	"	26 00
Farm hands (3),	"	25 00

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1894.

Live stock on farm,	\$8,089 20
Products of farm on hand,	9,163 00
Carriages and agricultural tools,	3,208 00
Machinery and mechanical fixtures,	11,595 00
Beds and bedding in inmates' department,	12,500 00
Other furniture in inmates' department,	7,500 00
Personal property of State in superintendent's department,*	8,750 00
Ready-made clothing,	2,739 14
Dry goods,	1,088 66
Bedding,	1,083 73
Small wares,	352 79
Miscellaneous,	1,920 91
Provisions and groceries,	3,730 75
Drugs and medicines,	550 00
Fuel,	100 00
Library,	1,000 00
Paints and oils,	428 00
	<hr/>
	\$73,799 18

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing-room and other departments.

TREASURER'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

I hereby present my report, as treasurer of the hospital, for the fiscal year ending with the 30th of September, 1894. It contains, as usual, an appraisal of the property of the institution, an account of the receipts and the disbursements of money during the year, and the financial condition at its close.

ASSETS.

Four hundred and ninety-three acres of land, .	\$53,000 00
Hospital building,	375,000 00
Farm house, \$1,750; brick house, \$1,750, . .	3,500 00
Four dwellings,	2,000 00
Storehouse and shops,	20,000 00
Two barns,	4,500 00
Horse stable,	1,900 00
Scullery and wood-house,	400 00
Lumber-house,	900 00
Pump-house,	700 00
Cart shed,	400 00
Coal-house,	50 00
Piggery,	3,000 00
Fireproofs for oils and paints,	500 00
Two ice-houses,	400 00
	\$466,250 00

PERSONAL ESTATE.

Stock and supplies on hand, as per inventory appended to the trustees' report,	\$73,799 18
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RECEIPTS.

Cash on hand, Sept. 30, 1893,	\$30,157 67
Received from State treasurer,	14,267 55
from towns,	56,662 80
from individuals,	18,539 84
from sales,	2,284 86
from interest,	640 56
	\$122,553 28

PAYMENTS.

1. Salaries, wages and labor,		\$35,097 30
2. Provisions and supplies:—		
Meats of all kinds,	\$5,864 55	
Fish of all kinds,	1,373 16	
Fruit and vegetables,	2,526 66	
Flour,	3,061 25	
Grain and meal for table,	255 41	
Tea, coffee and chocolate,	966 48	
Sugar and molasses,	2,006 54	
Grain and meal for stock,	3,501 91	
Butter and cheese,	4,900 80	
Salt and other groceries,	3,291 73	
All other provisions,	242 96	
	<hr/>	27,991 45
3. Clothing,		3,917 84
4. Fuel and lights,		7,466 14
5. Medicine and medical supplies,		1,138 11
6. Furniture, beds and bedding,		2,977 05
7. Transportation and travelling expenses,		1,213 60
8. Ordinary construction and repairs,		1,444 20
9. Extraordinary construction and repairs,		12,502 11
10. Miscellaneous expenses, including:—		
1. Farm stock,	\$645 15	
2. Farm supplies,	1,818 26	
3. Water,	1,183 00	
4. Minor expenses,	3,746 53	
5. Contingencies,	1,028 15	
	<hr/>	8,421 09
Total expenses,		<hr/> \$102,168 89

LIABILITIES.

Salaries and wages due Oct. 1, 1894,	\$4,467 15
Miscellaneous bills due,	8,492 58
	<hr/> \$12,959 73
Due institution for board Oct. 1, 1894:—	
From State,	\$3,572 37
towns,	15,186 71
individuals,	4,883 15
Due from the treasurer Sept. 30, 1894,	20,384 39
	<hr/> \$44,026 62

SUMMARY.

Total receipts,	\$122,553 28
Total payments,	102,168 89
	<hr/>
Cash on hand Sept. 30, 1894,	\$20,384 39

Total liabilities,	\$12,959 73
Total debts due the institution,	44,026 62
Total expenditures,	102,168 89

Dividing this sum by 494.11, the average number of patients,	
we have the average expenditure per patient,	\$206 77
And the average weekly expenditure per patient,	3 96

Deducting from the total expenditure,	\$102,168 89
The extraordinary expenses,	12,502 11

We have the current expenses, \$89,666 78

Dividing \$89,666.78 by 494.11, the average number of patients,	
we have the average expenditure per patient,	\$181 47
Making the average weekly expenditure per patient,	3 48

Subtracting from the current expenses,	\$89,666 78
The increase of personal assets,	1,897 90

We have the necessary cost for the year, \$87,768 88

Dividing \$87,768.88 by 494.11, the average number of patients,	
we have, as the annual cost of each patient,	\$177 63
Making the average weekly cost of each patient,	3 40

EDWARD B. NIMS,
Treasurer.

We have examined, as auditors, the accounts of the treasurer, and found a satisfactory voucher for every entry.

A. C. DEANE,
SARAH A. WOODWORTH,
Auditors.

FINANCIAL STATEMENT.

Of the appropriation made by the Legislature of 1893 for the purpose of enlarging the hospital and for other necessary repairs :—

Amount of appropriation,	\$50,000 00
Drawn to Sept. 30, 1893,	\$25,000 00
Drawn Feb. 10, 1894,	25,000 00
	<hr/>
	\$50,000 00

Of the appropriation made by the Legislature of 1894 for the purpose of completing the improvements now in process of construction :—

Amount of appropriation,	\$50,000 00
Drawn June 1, 1894,	\$27,972 46
June 15, 1894,	7,844 00
Aug. 4, 1894,	7,162 82
Sept. 3, 1894,	7,020 72
	<hr/>
	\$50,000 00

EDWARD B. NIMS,
Treasurer.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The superintendent respectfully presents his report for the year 1893-94, and the thirty-ninth annual report of the hospital:—

1. — General Statistics of the Year.

	INSANE.			VOLUNTARY PATIENTS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1893,	238	242	480	-	-	-
Admitted within the year,	88	83	171	1	-	1
Whole number of cases within the year,	326	325	651	1	-	1
Discharged within the year,	78	69	147	-	-	-
Viz.: as recovered at time of leaving the hospital,	20	12	32	-	-	-
as much improved,	7	7	14	-	-	-
as improved,	11	17	28	-	-	-
as not improved,	14	22	36	-	-	-
as not insane,	-	-	-	-	-	-
Deaths,	26	11	37	-	-	-
Patients remaining Sept. 30, 1894,	248	256	504	-	-	-
Viz.: supported as State patients,	44	33	77	-	-	-
supported as town patients,	173	184	357	-	-	-
supported as private patients,	30	39	69	1	-	1
Number of different persons within the year,	322	321	643	1	-	1
Persons admitted,	87	80	167	1	-	1
Persons recovered,	20	12	32	-	-	-
Daily average number of patients,	-	-	-	-	-	-
Viz.: State patients,	-	-	-	-	-	-
town patients,	-	-	-	-	-	-
private patients,	-	-	-	-	-	-

I. — General Statistics of the Year — Concluded.

	NOT INSANE.			AGGREGATE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1893,	-	-	-	238	242	480
Admitted within the year,	-	-	-	89	83	172
Whole number of cases within the year,	-	-	-	327	325	652
Discharged within the year,	1	-	1	79	69	148
Viz.: as recovered at time of leaving the hospital,	-	-	-	20	12	32
as much improved,	-	-	-	7	7	14
as improved,	-	-	-	11	17	28
as not improved,	-	-	-	14	22	36
as not insane,	1	-	1	1	-	1
Deaths,	-	-	-	26	11	37
Patients remaining Sept. 30, 1894,	-	-	-	248	256	504
Viz.: supported as State patients,	-	-	-	44	33	77
supported as town patients,	-	-	-	173	184	357
supported as private patients,	-	-	-	31	39	70
Number of different persons within the year,	-	-	-	323	321	644
Persons admitted,	-	-	-	88	80	168
Persons recovered,	-	-	-	20	12	32
Daily average number of patients,	-	-	-	248.88	245.23	494.11
Viz.: State patients,	-	-	-	45.70	37.80	83.50
town patients,	-	-	-	170.46	169.47	339.93
private patients,	-	-	-	32.72	37.96	70.68

At the beginning of the year, Oct. 1, 1893, there were 480 patients in the institution: men, 238; women, 242. Within the year 172 were admitted: men, 89; women, 83. Thirty-two patients were discharged as recovered, 14 as much improved, 28 as improved, 36 as unimproved, 1 not insane and 37 died, making the total number of those who left the hospital 148: men, 79; women, 69. Five hundred and four persons were present in the house Sept. 30, 1894: 248 men, 256 women. The daily average for the year was 494.11, an increase over the previous year of 13.85. This is the largest average number for any year in the history of the institution. Five hundred and twelve persons were present on one day, the large-

est number ever present at one time. The smallest number on any day in the year was 477. Six hundred and fifty-two cases were under treatment within the year. Of the persons who left the hospital, 70 returned to their homes, 16 were removed out of the State, 13 were removed to almshouses, 10 to the Westborough hospital and 2 to the Tewksbury almshouse. Notwithstanding these removals, there was an increase in the number present in the hospital for the year of 24 persons. One hundred and thirty-seven cases were admitted for the first time, 21 were second admissions, 6 third, 5 were fourth, 2 were fifth and 1 eighth. The number of persons admitted was 168, discharged 147; number under treatment, 644. Three men and 1 woman were discharged and readmitted, 1 man and 1 woman were admitted, discharged and readmitted, 1 woman was admitted 3 times and discharged twice.

STATUS OF PATIENTS.

There is a gradual change in the status of patients from year to year. The settlement laws are liberal, and the population of western Massachusetts is largely permanent in its residence. At the beginning of the year there were in the hospital 82 State patients, 325 who were supported by towns or cities and 73 by individuals, one patient having been transferred from town to private account, six from State to town and 1 from town to State at that time. Of those admitted within the year, 42 were wards of the State, 107 were charged to towns and cities and 23 to individuals at the time of admission. Of the 504 patients remaining at the end of the year, Sept. 30, 1894, 77 were supported by the State, 357 by towns and cities and 70 by individuals.

A considerable number of the towns are taking the benefit of the law which reimburses those having less than five hundred thousand dollars of taxable valuation; for the support of patients in the lunatic hospitals. The amount allowed by law for the support of patients in the hospitals in Massachusetts is less than in most of the eastern States. While the bills may often seem burdensome, the cost to the State and towns is less than could be obtained anywhere else.

The following table gives the weekly average of the different classes of patients:—

	1892-93.			1893-94.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients,	45.5	37.55	83.05	46.11	34.74	80.85
Town patients,	170.21	164.78	334.99	170.32	169.00	339.32
Private patients,	28.5	42.88	71.38	30.13	37.17	67.30

RECOVERIES.

In a large proportion of the cases admitted, the disease was essentially chronic and of long duration. Of the 172 cases admitted, 96 were entered upon the records as acute. In many of them there is a record of previous attacks and strong tendency to the disease. In 60 cases only was there any reasonable probability of cure. Seventy-six of the cases could be almost surely pronounced incurable. Whether these cases were curable or not in the earlier stages of the disease, it is certain that they were incurable when admitted to the hospital. It is not remarkable that the number of recoveries is small, when we consider the conditions we have to meet and work upon. It is remarkable that so many chronic cases are admitted to the institution, and it shows clearly that there must be a large amount of mental disease outside of the hospitals, also that such patients are kept at home as long as possible, or until their own and others' safety demanded that they be removed to the hospital.

Thirty-two persons were discharged as recovered. Seven of these had previously been discharged as recovered. Twenty-five of these were of those admitted for the first time, 6 were of the second admission and 1 of the fifth. The percentage of recoveries on the number admitted was 18.02; on the whole number who left the hospital, 21.6. The percentage of the whole number discharged as recovered, much improved and improved on those admitted was 43, and on those discharged 50.

DEATHS.

The death rate varies but little from several previous years. In nearly all the cases it was the result of some chronic disease. Thirty-seven persons died within the year. Cystitis

caused the death of 1 aged man and chronic bronchitis of 2. Exhaustion of organic dementia and exhaustion of chronic mania each caused 2 deaths. One resulted from each of exhaustion of secondary dementia and exhaustion of chronic chorea, old age, exhaustion of chronic brain disease, erysipelas and pelvic abscess; 6 persons died of general paralysis of the insane, 4 of consumption, 4 of apoplexy, and 8 deaths resulted from heart disease. In each of these cases the disease was of long standing. In 25 cases the disease existed before the admission of the patient to the hospital. Seven of the persons who died were in the hospital less than one month. Eight of these persons were over seventy years of age. The percentage of deaths on the daily average number was 7.48; on the whole number treated, 5.67.

The annexed table gives the number of deaths and the ratios from Sept. 30, 1858:—

Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1894.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Average No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Average No. of Patients.
			Men.	Women.	Totals.		
1858-59, .	313	229.55	7	12	19	6.07	8.27
1859-60, .	398	255.96	9	18	27	6.78	10.54
1860-61, .	434	314.26	15	15	30	6.91	9.54
1861-62, .	442	313.80	9	10	19	4.29	6.05
1862-63, .	470	355.28	19	7	26	5.53	7.31
1863-64, .	475	357.63	17	30	47	9.89	13.14
1864-65, .	469	342.40	17	24	41	8.76	11.97
1865-66, .	488	376.35	18	13	31	6.35	8.23
1866-67, .	543	401.03	23	24	47	8.65	11.71
1867-68, .	565	413.41	25	17	43	7.61	10.40
1868-69, .	590	405.10	13	12	25	4.23	6.17
1869-70, .	604	408.83	22	11	33	5.46	8.07
1870-71, .	616	421.90	16	12	28	4.54	6.64
1871-72, .	619	428.72	19	18	37	5.97	8.63
1872-73, .	614	437.23	13	8	21	3.42	4.80
1873-74, .	626	469.54	14	11	25	3.99	5.32
1874-75, .	629	475.35	23	18	41	6.52	8.62

Deaths and their Ratios, etc. — Concluded.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Average No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Average No. of Patients.
			Men.	Women.	Totals.		
1875-76, .	629	474.21	18	19	37	5.88	7.80
1876-77, .	603	476.16	21	21	42	6.96	8.82
1877-78, .	551	442.43	14	9	23	4.17	5.19
1878-79, .	535	436.73	14	9	23	4.29	5.27
1879-80, .	559	450.51	17	12	29	5.19	6.44
1880-81, .	569	451.79	16	10	26	4.57	5.75
1881-82, .	587	461.66	24	14	38	6.47	8.23
1882-83, .	606	466.76	17	13	30	4.95	6.42
1883-84, .	605	463.05	12	13	25	4.13	5.39
1884-85, .	599	475.94	16	11	27	4.51	5.67
1885-86, .	659	474.40	14	12	26	3.94	5.48
1886-87, .	639	478.55	13	18	31	4.85	6.47
1887-88, .	635	470.25	14	17	31	4.88	6.59
1888-89, .	636	469.10	18	7	25	3.93	5.32
1889-90, .	616	470.50	12	9	21	3.40	4.46
1890-91, .	636	457.00	19	12	31	4.87	6.78
1891-92, .	630	469.09	29	9	38	6.03	8.1
1892-93, .	658	480.26	20	17	37	5.62	7.7
1893-94, .	652	494.11	26	11	37	5.67	7.48

WORSHIP AND ENTERTAINMENT.

The usual course of entertainments has been held during the year, and has been found to be of advantage to the patients as a rule. Nearly one-half of them have attended these exercises regularly, with benefit, we believe. Some are interested in the different subjects presented. Some who find it difficult to control themselves in the wards or in their rooms conduct themselves with perfect propriety there. The assemblies are generally very orderly. Some are diverted so far as to forget their troubles, others are stimulated to a better and healthier mental action. On Sunday afternoons the religious service has been continued without intermission. The average attendance at these assemblies was 292 for the year. The attendance at these exercises is voluntary.

Exercises in Chapel.

1. ON THE SABBATH:—

Divine worship,	53 days.
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2. ON SECULAR EVENINGS:—

(a) *Readings and Recitations, opened and closed with Music:—*

The Bible and selections of prose,	1 day.
The Bible and selections of poetry,	13 days.
The Bible and selections of poetry and prose,	34 days.
Miscellaneous selections of prose,	79 days.
Miscellaneous selections of poetry and prose,	15 days.

(b) *Other Entertainments:—*

Pictures shown with stereopticon,	5 days.
Ventriloquism,	1 day.
Sleight of hand,	1 day.

(c) *Social Assemblies:—*

Quadrille parties,	28 days.
No assembly,	135 days.

 365 days.

FARM.

Again a severe drought through the months of July and August has interfered somewhat with the success of the farm. The first cutting of hay was the largest but one ever harvested. The amount of apples and potatoes was large and of excellent quality. Vegetables generally yielded well. Most of the other products were lessened in quantity and inferior in quality. The aggregate value of the farm products is a little larger than in the previous year. The farm has been for many years well cared for, liberally enriched and carefully cultivated. The excellent condition of the soil undoubtedly prevented any serious injury to the crops.

Improvements are made yearly. The acreage of cultivated land is gradually extended, waste lands are reclaimed and the products increased. There is always abundant opportunity for patients to work out when their condition will allow.

The whole amount of milk produced was 37,675 gallons. The daily average was 439 quarts. One-third of this amount is reckoned in the table, the other two-thirds being allowed for

the cost of the animals and the food consumed by them. All the milk consumed in the hospital was produced on the farm.

The value of this year's product is estimated at \$17,956.65. The whole number of animals on the farm Sept. 30, 1894, was : 8 oxen, 3 bulls, 57 cows, 16 heifers, 17 calves, 11 horses, 2 colts, 138 swine and 200 poultry.

The farm contains about 493 acres, of which 215 approximately are cultivated land, 185 of pasturage, the remainder groves, swamps, etc. About 60 acres were planted. Nearly one thousand apple trees are standing on the farm.

The annexed table gives the annual product of hay : —

1864, estimated,	. . .	40 tons.	1880, weighed,	. . .	154 tons.
1865, " "	. . .	62 "	1881, " "	. . .	213 "
1866, " "	. . .	42 "	1882, " "	. . .	170 "
1867, weighed,	. . .	82 "	1883, " "	. . .	197 "
1868, " "	. . .	86 "	1884, " "	. . .	174 "
1869, " "	. . .	91 "	1885, " "	. . .	251 "
1870, " "	. . .	74 "	1886, " "	. . .	269 "
1871, " "	. . .	75 "	1887, " "	. . .	302 "
1872, " "	. . .	91 "	1888, " "	. . .	305 "
1873, " "	. . .	84 "	1889, " "	. . .	331 "
1874, " "	. . .	120 "	1890, " "	. . .	336 "
1875, " "	. . .	100 "	1891, " "	. . .	295 "
1876, " "	. . .	111 "	1892, " "	. . .	315 "
1877, " "	. . .	154 "	1893, " "	. . .	262 "
1878, " "	. . .	179 "	1894, " "	. . .	289 "
1879, " "	. . .	144 "			

The product of pork was sufficient to supply the hospital. Fifty-four hogs were slaughtered.

The annexed table gives the annual product of pork : —

1865,	6,265 pounds.	1880,	14,729 pounds.
1866,	5,443 "	1881,	15,610 "
1867,	7,416 "	1882,	14,414 "
1868,	7,791 "	1883,	15,612 "
1869,	8,469 "	1884,	10,192* "
1870,	7,447 "	1885,	17,544 "
1871,	7,863 "	1886,	21,503 "
1872,	11,366 "	1887,	26,331 "
1873,	10,511 "	1888,	18,465 "
1874,	12,024 "	1889,	19,227 "
1875,	12,693 "	1890,	25,189 "
1876,	12,467 "	1891,	32,621 "
1877,	13,605 "	1892,	31,074 "
1878,	14,451 "	1893,	23,505 "
1879,	13,569 "	1894,	21,873 "

* Quantity diminished by disease.

List of Farm Products in 1894.

Hay (first growth), 255 tons, . . .	\$4,080 00	Currants, 15½ bushels, . . .	\$46 50
Hay (after growth), 34 tons, . . .	544 00	Cauliflower, 25 heads, . . .	3 00
Corn fodder (dry), 12 tons, . . .	72 00	Swiss chard, 24½ bushels, . . .	24 50
Corn, 200 bushels, . . .	120 00	Grapes, 150 pounds, . . .	4 50
Straw, 22 tons, . . .	264 00	Quinces, 13 bushels, . . .	16 25
Potatoes, 3,231 bushels, . . .	1,642 05	Pears, 49½ bushels, . . .	49 50
Broom brush, 500 pounds, . . .	30 00	Apples, 1,344 barrels, . . .	1,628 75
Broom seed, 25 bushels, . . .	10 00	Cider, 20 barrels, . . .	30 00
Carrots, 233 bushels, . . .	92 40	Rye, 200 bushels, . . .	120 00
Sugar beets, 351 bushels, . . .	70 20	Oats, 150 bushels, . . .	60 00
Beets, 260½ bushels, . . .	104 20	Apples (cider), 600 bushels, . . .	30 00
Onions, 363½ bushels, . . .	181 75	Crab apples, 1 bushel, . . .	50
Turnips, 300 bushels, . . .	120 00	Beef, 9,398 pounds, . . .	579 12
Parsnips, 70 bushels, . . .	42 00	Veal, 1,094 pounds, . . .	109 40
Beans (in shell), 133 bushels, . . .	133 00	Pork, 21,873 pounds, . . .	1,366 50
Beans (string), 10 bushels, . . .	7 50	Pigs (roasting), 5, . . .	10 50
Sweet corn (green), in ear, 149 bushels, . . .	111 75	Pigs sold, 238, . . .	726 00
Pease (green), 160½ bushels, . . .	160 50	Chickens, 716 pounds, . . .	143 20
Tomatoes, 71 bushels, . . .	71 00	Eggs, 435 dozen, . . .	95 70
Lettuce, 81 bushels, . . .	81 00	Milk (grass-fed), 12,558 gallons, . . .	2,511 00
Egg plant, 104 plants, . . .	8 32	Calf skins, 15, . . .	7 50
Squash (summer), 23½ bushels, . . .	23 50	Young calves sold, 13, . . .	40 00
Squash (winter), 2,120 pounds, . . .	30 00	Wood, 43 cords, . . .	147 50
Melons, 4,504 pounds, . . .	45 04	Ensilage, 125 tons, . . .	437 50
Asparagus, 40 bushels, . . .	80 00	Posts, 100, . . .	20 00
Pie-plant, 71½ bushels, . . .	71 50	Lumber, 6,310 feet, . . .	946 50
Cucumbers, 100½ bushels, . . .	100 50	Husks (corn), 1 ton, . . .	6 00
Spinach, 33 bushels, . . .	33 00	Ice, 300 tons, . . .	300 00
Cabbage, 4,284 heads, . . .	128 52		
Celery, 1,300 plants, . . .	39 00		
			<hr/>
			\$17,956 65

FINANCES.

The sources of income of the hospital are mainly the sums received for the board of patients. The State, towns and cities pay for the support of their patients \$3.25 per week. This includes board, clothing and medical attendance. No extra charge is allowed for damages. The law (chapter 87, section 45, of the Public Statutes) provides that "No pauper shall be discharged from the State hospitals without suitable clothing, and the trustees may furnish the same at their discretion, together with such sums of money, not exceeding twenty dollars, as they may deem necessary. Such money and the cost of such clothing, the expense of pursuing such lunatics as may escape therefrom, and of burial of such as die in the hospital, shall be reimbursed to the trustees by the places of legal settlement of city or town paupers, and by the Commonwealth in the case of State paupers."

The average weekly cost per patient for the past year was \$3.48. The daily average of State and town patients for the past year was \$423.43. Private patients pay for board such prices as are agreed upon, at the admission of the patient. The daily average of private patients for the year was 70.68. The average price paid by all private patients who were in the hospital Sept. 30, 1894, was \$4.87. The clothing furnished to private patients is charged extra, as are also damages, to an amount not exceeding fifty dollars annually.

Cash Assets on Hand Sept. 30, 1894.

Cash on hand,	\$20,384 39
Board of private patients,	4,883 15
of State patients,	3,572 37
of town patients,	15,186 71
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Total,	\$44,026 62
Liabilities,	12,959 73
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Balance,	\$31,066 89
Purchased supplies on hand estimated to have cost	\$10,993 98
Products of farm on hand,	9,163 00
Total working surplus,	51,235 87

There was expended \$12,502.11 for extraordinary and necessary repairs. Of the appropriation made by the Legislature of 1893, \$25,000.00 was expended; of the appropriation made by the Legislature of 1894, \$50,000.00 was expended; a total of \$87,502.11 expended within the year in improvements and repairs. The sum of all appropriations made by the State for construction, repairs and improvements of the hospital from the passage of the act authorizing its erection to Oct. 1, 1894, is \$555,192.66.

IMPROVEMENTS.

The extensive changes which have been made in the hospital buildings within the past three years have in most respects been decided improvements.

The employees of the hospital, outside of those who are immediately in care of patients, are now provided with pleasant and comfortable quarters, the men and women being in separate new buildings.

The laundry is now in a capacious building, provided with modern apparatus, and its efficiency is much increased. The kitchen department will soon be in a well-appointed room, enlarged to double its former size.

The heating apparatus from the boilers to the radiators, with the high and low pressure system, is new, and is abundantly able to meet all the demands that are liable to be made upon it.

The interior of the female wing has been almost rebuilt. The removal of the dark passages and corners, the enlargement of windows and the new finishing combine to make the halls and rooms much more light, pleasant and cheerful. This wing is now protected from fire as far as iron staircases, fire walls between the sections, new wire-lath ceilings, the removal of several unprotected spots and the connecting of all outgoing flues in iron ducts can make it.

A very important and satisfactory improvement is the change in the system of ventilation in both the female and male wing. A largely increased amount of air is supplied to the wards. The passage of air out of the building is very much improved, through the exits near the bottom of the corridors and rooms, instead of at the top, as formerly, and through iron ducts into heated towers.

The new chapel now in process of construction will be two and a half times larger than the one now in use. It will be well ventilated, well lighted, and constructed with an arched ceiling, a gallery and a stage large enough for ordinary entertainments. The increased size will make it much more convenient and comfortable, and afford ample room for any audience which is likely to assemble there.

The new dormitory for men increases the capacity of the hospital about fifty patients.

The hospital is still in need of some important changes and improvements. The male wing needs a thorough renovating; new iron staircases and more fire walls for better protection against fire; the enlarging of windows and new bays to light up the wards; new ceilings and some new wood finish, also to be repainted throughout. The hospital needs some infirmaries where cases of severe illness and specially feeble persons can have more personal care and attention, and to which such cases can be removed from the halls, where they are among people

who are in good health. The number of acute cases is gradually increasing in the institution, as well as the number of invalids, and better accommodations for them would increase the efficiency of the hospital.

ACKNOWLEDGMENTS.

We acknowledge with pleasure various gifts of reading matter, such as magazines, papers, holiday gifts, etc. Special mention may be made of Mr. S. E. Bridgman, Mrs. D. D. Gorham, Miss Florence Austin, Mrs. Woodworth and Mrs. Butler. The "Christian Register," "Staaten Zeitung" and "New England Homestead" have sent their papers free. The clergymen of the city have kindly officiated at the chapel service on Sunday, and at the funerals when patients were buried in the hospital cemetery. Dr. T. W. Meekins again favored us with several stereopticon exhibitions and lectures. The weekly dances during the winter were supplied with music by Mr. Frank's orchestra.

I have only words of commendation for the officers and employees who have aided in the work of the year. Faithful and loyal service in behalf of those whom we care for, and in the trying and peculiar duties of such an institution, is always worthy of commendation.

I am grateful to your Board for their support and assistance in the management of the hospital, and for the continued confidence which they have manifested.

EDWARD B. NIMS.

DIETARY OF THE NORTHAMPTON LUNATIC HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about two hundred persons, and the second to those of somewhat over three hundred.]

BILL OF FARE No. 1.

BREAKFAST.

- Monday.* — Tea, coffee, broiled beefsteak, potatoes, warm rolls (“biscuit”), bread and butter.
- Tuesday.* — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.
- Wednesday.* — Tea, coffee, broiled beefsteak, potatoes and warm brown (rye and Indian) bread.
- Thursday.* — Tea, coffee, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.
- Saturday.* — Tea, coffee, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, cold corned beef, potatoes, warm rolls, bread, butter and fried Indian corn pudding.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable, bread, butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal,† potatoes and one other vegetable, bread, butter and baked Indian pudding.
- Wednesday.* — Either fried or baked fresh fish or boiled mutton, potatoes and one other vegetable, bread, butter and berry or apple pudding, with sauce.‡
- Thursday.* — Vegetable soup, corned beef, potatoes and one other vegetable, bread, butter and boiled suet pudding with syrup.

* Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

† Substituted in winter by fresh pork ribs, roasted.

‡ In spring, maple syrup is used as sauce for puddings.

Friday. — Either boiled or roasted mutton * or stewed or roasted veal, potatoes and one other vegetable, bread, butter and tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable, pickles, bread, butter and baked bread pudding.

Sunday. — Cold corned beef, potatoes, warmed baked beans, pickles, bread, butter and pies, the kind varying with the season.

SUPPER.

Monday. — Tea, bread, warm corn cake, butter, hard gingerbread and a relish. †

Tuesday. — Tea, white bread, graham bread, butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.

Wednesday. — Tea, bread, butter, cookies and ginger snaps and a relish.

Thursday. — Tea, bread, butter, pie (the kind varying with the season) and cheese.

Friday. — Tea, bread, butter, cake (the kind varying) and a relish.

Saturday. — Tea, bread, butter, doughnuts and cheese.

Sunday. — Tea, bread, butter, cookies and ginger snaps and blanc-mange or corn starch.

Extra. — In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, cold corned beef, potatoes and bread.

Tuesday. — Coffee, cold roast beef, potatoes and bread.

Wednesday. — Coffee, meat stew, potatoes and warm rye and Indian corn brown bread.

Thursday. — Coffee, picked codfish cooked in milk, potatoes and bread.

Friday. — Coffee, cold corned beef or meat stew, potatoes and bread.

Saturday. — Coffee, hash, either of meat or fish, and bread.

Sunday. — Coffee, cold baked beans, potatoes and bread.

Butter is used in two halls in the morning.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable, ‡ boiled hominy with molasses and bread.

* Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

† This term, used for the want of better, includes dried beef, berries, baked apples, apple sauce, and canned fruits, all of which are supplied, and each according to the season.

‡ Except two months in the spring.

Tuesday.—Vegetable soup, potatoes and one other vegetable,* baked Indian pudding† and bread.

Wednesday.—Boiled fresh fish with drawn-butter sauce, potatoes and one other vegetable,* boiled hasty pudding with molasses and bread.

Thursday.—Vegetable soup, potatoes, cabbage or some other vegetable, boiled rice with molasses‡ and bread.

Friday.—Boiled codfish with drawn-butter sauce, potatoes, beets or some other vegetable, boiled hasty pudding with molasses and bread.

Saturday.—Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday.—Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday.—Tea, bread and butter.

Tuesday.—Tea, bread, butter and soft gingerbread.

Wednesday.—Tea, bread, butter and some kind of relish.

Thursday.—Tea, bread and butter.

Friday.—Tea, bread, butter and soft gingerbread.

Saturday.—Tea, bread and butter.

Sunday.—Tea, bread and butter.

EXTRAS.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In four halls, sauce, of either fresh or dried apples, is furnished as often as three times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day, and either turkey or chicken on one other day in the year.

From four to five bushels of green sweet corn in the ear, is consumed in its season, daily, with the exception of Sunday.

Tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horseradish as a condiment.

During eight months of the year, a barrel of apples is distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast, milk toast, toast with dropped egg and boiled eggs, for invalids and all who are not able to take the regular fare.

* Except two months in the spring.

† All baked puddings for the whole household are made with milk.

‡ Maple syrup is furnished, in place of molasses, three or four times in the spring.

* 2. — *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1893.												
October, . . .	5	5	10	4	4	8	1	1	2	238.87	240.45	479.32
November, . . .	10	3	13	5	7	12	—	1	1	240.56	240.63	481.2
December, . . .	9	5	14	1	—	1	3	1	4	246.67	238.84	485.51
1894.												
January, . . .	8	6	14	3	1	4	5	—	5	249.22	242.84	492.06
February, . . .	6	7	13	2	2	4	1	2	3	250.5	248.85	499.35
March, . . .	8	8	16	6	19	25	2	—	2	249.61	245.51	495.12
April, . . .	8	9	17	5	5	10	3	1	4	250.63	238.07	488.7
May, . . .	7	6	13	6	4	10	2	1	3	250.61	241.32	491.93
June, . . .	6	11	17	2	2	4	1	1	2	250.3	245.73	496.03
July, . . .	8	8	16	1	4	5	1	—	1	255.61	251.9	507.51
August, . . .	7	9	16	11	4	15	3	3	6	253.97	253.77	507.74
September, . . .	7	6	13	7	6	13	4	—	4	250.00	254.86	504.86
Total of cases, . . .	89	83	172	53	58	111	26	11	37	—	—	—
Total of persons, . . .	88	80	168	53	57	110	26	11	37	—	—	—
Daily average, . . .	—	—	—	—	—	—	—	—	—	248.88	245.23	494.11

* For Table No. 1, see superintendent's report.

3. — Received on First and Subsequent Admissions.

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	72	65	137	—	—	—
Second,	7	14	21	4	4	8
Third,	3	3	6	1	3	4
Fourth,	4	1	5	4	—	4
Fifth,	2	—	2	4	—	4
Eighth,	1	—	1	5	—	5
Total of cases, . . .	89	83	172	18	7	25
Total of persons, . .	88	80	168	9	6	15

4. — Relations to Hospital of Persons Admitted.

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane, .	67	61	128
Former inmates of this hospital only, .	16	14	30
of other hospitals only, .	5	5	10
of this and other hospitals, .	—	—	—
Total of persons,	88	80	168

5. — Residence of Persons Admitted.

PLACES.	Males.	Females.	Totals.
Hampshire County,	13	14	27
Hampden County,	46	39	85
Berkshire County,	20	17	37
Franklin County,	9	9	18
Worcester County,	—	1	1
Totals,	88	80	168
Cities or towns,*	43	36	79
Country districts,	45	44	89
Totals,	88	80	168

* Containing not less than 10,000 inhabitants.

6. — *Nativity and Parentage of Persons Admitted.*

PLACES OF NATIVITY.	PATIENTS.			PARENTS.					
				MALES.		FEMALES.		TOTALS.	
	Ma.	Fe.	Tot.	Fa.	Mo.	Fa.	Mo.	Fa.	Mo.
Maine,	1	1	2	1	1	1	1	2	2
New Hampshire,	—	2	2	—	1	1	1	1	2
Vermont,	2	3	5	2	1	2	—	4	1
Massachusetts,	42	31	73	24	24	17	18	41	42
Rhode Island,	1	—	1	2	1	—	—	2	1
Connecticut,	4	4	8	4	3	2	4	6	7
New York,	4	4	8	1	2	3	3	4	5
New Jersey,	1	1	2	—	—	—	—	—	—
Pennsylvania,	—	1	1	—	—	1	1	1	1
Maryland,	—	1	1	—	—	—	1	—	1
District of Columbia,	—	—	—	—	—	1	—	1	—
North Carolina,	—	—	—	—	1	—	—	—	1
Georgia,	—	1	1	—	—	—	—	—	—
Illinois,	—	2	2	—	—	1	1	1	1
Wisconsin,	—	1	1	—	—	—	—	—	—
Canada,	5	2	7	6	6	2	2	8	8
England,	3	2	5	3	4	4	2	7	6
Ireland,	17	21	38	31	31	34	34	65	65
Scotland,	—	1	1	1	—	1	1	2	1
Germany,	4	1	5	5	5	2	3	7	8
Italy,	1	—	1	1	1	—	—	1	1
Russia,	1	1	2	1	1	1	1	2	2
Prussia,	1	—	1	1	1	—	—	1	1
Poland,	1	—	1	2	2	—	—	2	2
Unknown,	—	—	—	3	3	7	7	10	10
Totals,	88	80	168	88	88	80	80	168	168

7. — *Civil Condition of Persons Admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.			TOTAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	38	21	59	29	27	56	5	14	19	—	3	3	72	65	137
Second,	2	5	7	3	6	9	1	1	2	—	—	—	6	12	18
Third,	2	—	2	1	1	2	—	1	1	—	—	—	3	2	5
Fourth,	2	—	2	2	1	3	—	—	—	—	—	—	4	1	5
Fifth,	1	—	1	1	—	1	—	—	—	—	—	—	2	—	2
Eighth,	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Totals,	46	26	72	36	35	71	6	16	22	—	3	3	88	80	168

8. — *Occupation of Persons Admitted.*

MALES.			
Book-keepers,	3	Moulder,	1
Blacksmith,	1	Merchants,	2
Baker,	1	Meat cutter,	1
Barber,	1	Mason,	1
Brass moulder,	1	Mill operatives,	6
Baggage master,	1	Overseer in mill,	1
Carpenter,	3	Paper maker,	1
Cooper,	1	Physicians,	2
Clerks,	3	Porter,	1
Cigar makers,	2	Peddler,	1
Engineer,	1	Polisher,	1
Farmers,	11	Painter and paper hanger,	1
Gardener,	1	Shoemaker,	1
Harness stitcher,	1	Upholsterer,	1
Janitor,	1	Watchman,	1
Laborers,	22	Whip maker,	1
Ledgeman,	1	None,	6
Ladder maker,	1		
Machinists,	3	Totals,	88

FEMALES.			
Domestics,	8	Student,	1
Dressmakers,	3	Seamstress,	1
Housework,	10	Tailoress,	1
Mill operatives,	4	None,	15
Nurse,	1		

WIFE OF			
Blacksmith,	1	Machinist,	1
Carpenter,	2	Mechanic,	1
Clerk,	2	Peddler,	1
Cigar maker,	2	Physician,	1
Foundryman,	1	Shoemaker,	1
Farmer,	5	Stone-cutter,	1
Inspector of water works,	1	Whip maker,	1
Laborer,	11		
Merchant,	1	Totals,	80
Mill operative,	3		

9. — *Probable Causes of Disease in Persons Admitted* — Concluded.

CAUSES.	PATIENTS ADMITTED.			INSANE.					
	INSANE.			PREVIOUS ATTACKS.			HEREDITARY PREDISPOSITION.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1.—PHYSICAL—Continued.									
Puerperal,	—	4	4	—	—	—	—	—	—
Shock,	2	3	5	—	—	—	—	—	—
Senility,	3	2	5	1	—	1	2	—	2
Tuberculosis,	2	—	2	—	—	—	—	—	—
Typhoid fever,	—	1	1	—	1	1	—	—	—
2.—MENTAL:—									
Business trouble,	—	1	1	—	—	—	—	—	—
Disappointment,	2	—	2	1	—	1	—	—	—
Grief,	—	1	1	—	—	—	—	—	—
Religious excitement,	1	—	1	—	—	—	—	—	—
Trouble,	—	1	1	—	—	—	—	—	—
Worry,	1	1	2	—	—	—	—	—	—
Unknown,	18	27	45	7	8	15	—	—	—
Totals,	88	80	168	22	17	39	14	16	30

11. — *Ages of Insane at First Attack, Admission and Death.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.						PERSONS DIED.					
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	-	-	-	-	-	-	-	-	-	-	-	-
15 years and less, . . .	2	1	3	1	-	1	-	-	-	-	-	-
From 15 to 20 years, . .	2	3	5	2	2	4	-	1	1	-	-	-
20 to 25 years, . . .	10	12	22	10	12	22	-	1	1	-	-	-
25 to 30 years, . . .	5	7	12	10	9	19	-	-	-	-	-	-
30 to 35 years, . . .	8	2	10	11	6	17	4	-	4	2	1	3
35 to 40 years, . . .	2	5	7	5	4	9	1	-	1	1	-	1
40 to 50 years, . . .	9	6	15	10	9	19	3	1	4	3	1	4
50 to 60 years, . . .	4	10	14	8	11	19	4	2	6	7	2	9
60 to 70 years, . . .	4	3	7	4	6	10	5	1	6	5	5	10
70 to 80 years, . . .	2	2	4	6	2	8	3	1	4	5	1	6
Over 80 years,	-	-	-	-	1	1	1	-	1	3	-	3
Unknown,	19	11	30	-	-	-	5	4	9	-	1	1
Total of persons, . . .	67	62	129	67	62	129	26	11	37	26	11	37
Mean ages,	36.27	37.58	36.94	39.83	40.19	40.	56.76	48.57	54.71	59.84	57.9	59.30

12. — *Reported Duration of Disease before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	2	-	2	3	-	3	5	-	5
Under 1 month,	17	14	31	4	3	7	21	17	38
From 1 to 3 months, . . .	10	9	19	1	3	4	11	12	23
3 to 6 months,	8	6	14	-	4	4	8	10	18
6 to 12 months,	3	6	9	1	1	2	4	7	11
1 to 2 years,	6	7	13	2	2	4	8	9	17
2 to 5 years,	7	10	17	1	2	3	8	12	20
5 to 10 years,	2	2	4	2	1	3	4	3	7
10 to 20 years,	1	2	3	2	1	3	3	3	6
Over 20 years,	1	2	3	-	3	3	1	5	6
"Years,"	4	1	5	3	1	4	7	2	9
Unknown,	6	3	9	3	-	3	9	3	12
Total of cases,	67	62	129	22	21	43	89	83	172
Total of persons,	67	62	129	21	18	39	88	80	168
Average in years,	2.06	2.24	2.15	3.12	6.51	4.99	2.33	3.79	3.03

13. — Form of Mental Disease in Cases Admitted or Discharged, with Condition on Discharge.

FORM OF DISEASE.	CASES ADMITTED.			CASES DISCHARGED.												AGGREGATE.		
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			DIED.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Insane:—																		
Epilepsy,	3	2	5	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
General paralysis,	4	—	4	—	—	—	—	—	—	—	—	—	—	—	—	6	—	6
Mania acute,	19	16	35	4	3	7	2	3	5	1	3	4	1	1	2	14	10	24
chronic,	10	7	17	—	—	—	2	1	3	1	5	6	2	2	4	6	12	18
recurrent,	3	3	6	—	2	2	—	—	—	3	2	5	—	—	—	3	6	9
puerperal,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
<i>Apople</i> ,	2	—	2	1	1	2	—	—	—	1	—	—	—	—	—	—	1	1
Melancholia, acute,	12	22	34	6	3	9	1	2	3	2	4	6	2	5	7	12	14	26
chronic,	1	6	7	—	—	—	—	—	—	1	1	2	1	3	4	4	6	10
senile,	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Dementia, primary,	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
secondary,	2	8	10	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
senile,	5	2	7	—	—	—	—	—	—	1	1	2	—	—	—	3	7	10
organic,	4	6	10	—	—	—	—	—	—	—	—	—	—	—	—	4	4	8
Primary delusional insanity,	2	4	6	—	—	—	—	—	—	—	—	—	—	—	—	5	5	10
Toxic insanity,	15	7	22	9	2	11	2	—	2	—	—	—	—	—	—	4	4	8
Congenital mental deficiency,	4	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—	3	3
Voluntary patients,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Total of cases,	89	83	172	20	12	32	7	14	21	11	17	28	14	22	36	26	69	148
Total of persons,	88	80	168	20	12	32	7	14	21	11	16	27	14	22	36	26	68	147

14. — Discharges, classified by Admission and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	17	8	25	6	5	11	8	12	20	14	21	35	1	—	1	20	8	28	66	54	120
Second,	2	4	6	—	1	1	—	3	3	—	1	1	—	—	—	6	2	8	8	11	19
Third,	—	—	—	1	1	2	2	1	3	—	—	—	—	—	—	—	1	1	3	3	6
Fourth,	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
Fifth,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Seventh,	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Total of cases,	20	12	32	7	7	14	11	17	28	14	22	36	1	—	1	26	11	37	79	69	148
Total of persons,	20	12	32	7	7	14	11	16	27	14	22	36	1	—	1	26	11	37	79	68	147

15. — *Causes of Death.*

CAUSES.	INSANE.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system : —						
Exhaustion of mania, acute, . . .	—	1	1	—	1	1
chronic, . . .	1	1	2	1	1	2
melancholia, chronic, and heart disease.	—	1	1	—	1	1
dementia, secondary, . .	—	1	1	—	1	1
senile, . . .	2	—	2	2	—	2
organic, . . .	1	1	2	1	1	2
chronic chorea, . . .	1	—	1	1	—	1
Paresis,	6	—	6	6	—	6
Apoplexy,	1	3	4	1	3	4
Respiratory system : —						
Bronchitis,	2	—	2	2	—	2
Bronchitis with heart disease, . . .	—	1	1	—	1	1
Phthisis,	4	—	4	4	—	4
Asthma and heart disease,	—	1	1	—	1	1
Circulatory : —						
Heart disease,	5	—	5	5	—	5
General : —						
Cystitis,	1	—	1	1	—	1
Erysipelas,	1	—	1	1	—	1
Pelvic abscess,	—	1	1	—	1	1
Old age,	1	—	1	1	—	1
Totals,	26	11	37	26	11	37

16. — Recoveries, classified by Duration of Disease and of Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Insane :—												
Congenital,	7	5	12	2	—	2	—	—	—	2	—	2
Under 1 month,	2	2	4	10	—	16	6	1	7	6	—	12
From 1 to 3 months,	4	3	7	3	4	7	4	7	11	4	3	8
3 to 6 months,	1	1	2	2	2	4	2	3	5	2	3	5
6 to 12 months,	—	—	—	3	—	3	2	—	2	2	1	4
1 to 2 years,	—	—	—	—	—	—	—	—	1	—	—	1
2 to 5 years,	—	—	—	—	—	—	—	—	—	—	—	—
5 to 10 years,	—	—	—	—	—	—	—	—	—	—	—	—
10 to 20 years,	6	1	7	—	—	—	6	1	7	—	—	—
Unknown,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	20	12	32	20	12	32	20	12	32	20	12	32
Average of known cases (in months),	1.78	1.63	1.72	4.95	4.	4.59	5.35	4.54	5.	4.57	5.66	5.68

17. — Deaths, classified by Duration of Disease and Treatment.

PERIOD.	LAST ATTACK.			ALL ATTACKS.		
	DURATION BEFORE ADMISSION.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Insane:—						
Congenital,	—	—	—	—	—	—
Under 1 month,	3	1	4	—	—	—
From 1 to 3 months,	—	1	1	—	—	—
3 to 6 months,	4	1	5	1	—	1
6 to 12 months,	2	2	4	2	—	2
1 to 2 years,	3	1	4	2	—	2
2 to 5 years,	8	1	9	7	1	8
5 to 10 years,	2	2	4	4	3	7
10 to 20 years,	—	1	1	3	1	4
Over 20 years,	—	—	—	1	1	2
Unknown,	4	2	6	4	3	7
Totals,	26	11	37	26	11	37
Average of known cases (in months),	21.	43.55	27.54	36.84	115.33	77.7
			61.26	66.27	94.29	54.83

20.—Showing the Results of First Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Number of persons on first admissions,	—	—	—	2325	2220	4545
Discharged recovered, . . .	529	449	978	—	—	—
improved,	619	685	1304	—	—	—
unimproved,	445	439	884	—	—	—
not insane,	23	13	36	—	—	—
Died,	529	448	977	—	—	—
Remaining in the hospital Sept. 30, 1894,	180	186	366	2325	2220	4545

Showing the Results of Readmissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Readmitted,	—	—	—	512	503	1015
Discharged recovered, . . .	126	130	256	—	—	—
improved,	149	154	303	—	—	—
unimproved,	83	91	174	—	—	—
not insane,	2	2	4	—	—	—
Died,	84	56	140	—	—	—
Remaining in the hospital Sept. 30, 1894,	68	70	138	512	503	1015

Showing the Results of Second Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Second admissions,	—	—	—	360	346	706
Discharged recovered, . . .	90	73	163	—	—	—
improved,	92	106	198	—	—	—
unimproved,	63	67	130	—	—	—
not insane,	1	2	3	—	—	—
Died,	69	46	115	—	—	—
Remaining in the hospital Sept. 30, 1894,	45	52	97	360	346	706

Showing the Results of Third Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Third admissions,	—	—	—	91	79	170
Discharged recovered, . . .	18	26	44	—	—	—
improved,	32	23	55	—	—	—
unimproved,	16	14	30	—	—	—
not insane,	1	—	1	—	—	—
Died,	12	7	19	—	—	—
Remaining in the hospital Sept. 30, 1894,	12	9	21	91	79	170

Showing the Results of Fourth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fourth admissions, . . .	—	—	—	27	36	63
Discharged recovered, . . .	9	8	17	—	—	—
improved, . . .	7	15	22	—	—	—
unimproved, . . .	2	4	6	—	—	—
Died, . . .	2	2	4	—	—	—
Remaining in the hospital Sept. 30, 1894, . . .	7	7	14	27	36	63

Showing the Results of Fifth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifth admissions, . . .	—	—	—	13	14	27
Discharged recovered, . . .	5	7	12	—	—	—
improved, . . .	5	4	9	—	—	—
unimproved, . . .	—	2	2	—	—	—
Died, . . .	1	—	1	—	—	—
Remaining in the hospital Sept. 30, 1894, . . .	2	1	3	13	14	27

Showing the Results of Sixth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Sixth admissions, . . .	—	—	—	7	10	17
Discharged recovered, . . .	2	5	7	—	—	—
improved, . . .	3	3	6	—	—	—
unimproved, . . .	2	2	4	7	10	17

Showing the Results of Seventh Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Seventh admissions, . . .	—	—	—	4	5	9
Discharged recovered, . . .	1	3	4	—	—	—
improved, . . .	3	—	3	—	—	—
unimproved, . . .	—	1	1	—	—	—
Died, . . .	—	1	1	4	5	9

Showing the Results of Eighth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Eighth admissions, . . .	—	—	—	3	3	6
Discharged recovered, . . .	1	2	3	—	—	—
improved, . . .	1	—	1	—	—	—
unimproved, . . .	—	1	1	—	—	—
Remaining in the hospital Sept. 30, 1894, . . .	1	—	1	3	3	6

Showing the Results of Ninth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Ninth admissions, . . .	-	-	-	1	2	3
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	1	2	1	2	3

Showing the Results of Tenth Admissions.

Tenth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing the Results of Eleventh Admissions.

Eleventh admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing the Results of Twelfth Admissions.

Twelfth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing the Results of Thirteenth Admissions.

Thirteenth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing the Results of Fourteenth Admissions.

Fourteenth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing the Results of Fifteenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteenth admissions, . . .	-	-	-	1	1	2
Discharged improved, . . .	-	1	1	-	-	-
Remaining in the hospital Sept. 30, 1894,	1	-	1	1	1	2

Showing the Results of Sixteenth Admissions.

Sixteenth admissions, . . .	-	-	-	-	1	1
Discharged improved, . . .	-	1	1	-	1	1

Showing the Results of Seventeenth Admissions.

Seventeenth admissions, . . .	-	-	-	-	1	1
Remaining in the hospital Sept. 30, 1894,	-	1	1	-	1	1

21. — Operations of the Hospital, from the Beginning, in Each Year.

	ADMITTED.			DISCHARGED AND DIED.						Whole Number of Cases in the Year.	Number of Patients at end of the Year.														
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.					IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.				
				Males.	Females.	Totals.	Males.	Females.	Totals.			Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.		
1858,—2 months,	99	129	228	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	228	220	
1858-59, . . .	46	47	93	18	15	33	9	9	18	7	5	12	7	12	19	—	—	—	—	—	—	7	12	19	313
1859-60, . . .	73	94	167	19	16	35	12	10	22	2	2	4	2	2	4	—	—	—	—	—	—	9	18	27	398
1860-61, . . .	71	53	124	18	17	35	14	14	28	4	7	11	4	7	11	—	—	—	—	—	—	15	15	30	434
1861-62, . . .	64	48	112	19	15	34	27	15	42	9	5	14	4	5	14	—	—	—	—	—	—	9	10	19	442
1862-63, . . .	70	68	138	12	16	28	16	10	26	4	3	7	4	3	7	—	—	—	—	—	—	19	7	26	470
1863-64, . . .	47	45	92	30	19	49	19	15	34	4	6	10	4	6	10	—	—	—	—	—	—	17	30	47	475
1864-65, . . .	70	64	134	17	16	33	14	15	29	8	5	13	5	5	13	—	—	—	—	—	—	17	24	41	468
1865-66, . . .	75	61	136	16	10	26	12	7	19	5	2	7	5	2	7	—	—	—	—	—	—	18	13	31	488
1866-67, . . .	61	77	138	24	18	42	15	13	28	6	7	13	6	7	13	—	—	—	—	—	—	23	24	47	543
1867-68, . . .	68	84	152	21	19	40	22	27	49	5	7	12	5	7	12	—	—	—	—	—	—	25	18	43	565
1868-69, . . .	84	85	169	31	18	49	23	33	56	20	38	58	20	38	58	—	—	—	—	—	—	13	12	25	590
1869-70, . . .	90	112	202	23	27	50	15	43	58	22	34	56	22	34	56	—	—	—	—	—	—	22	11	33	604
1870-71, . . .	109	102	211	16	27	43	23	41	64	31	30	61	31	30	61	—	—	—	—	—	—	16	12	28	616
1871-72, . . .	101	98	199	25	15	40	33	27	60	22	27	49	22	27	49	—	—	—	—	—	—	19	18	37	619
1872-73, . . .	102	79	181	19	29	48	37	22	59	23	29	52	23	29	52	—	—	—	—	—	—	13	8	21	614
1873-74, . . .	105	88	193	25	12	37	24	19	43	27	18	45	27	18	45	—	—	—	—	—	—	14	11	25	626
1874-75, . . .	75	78	153	16	13	29	21	24	45	17	21	38	17	21	38	—	—	—	—	—	—	23	18	41	629
1875-76, . . .	76	77	153	19	13	32	18	31	49	24	23	47	19	24	43	—	—	—	—	—	—	18	19	37	629
1876-77, . . .	68	71	139	15	18	33	8	13	21	15	17	32	15	17	32	—	—	—	—	—	—	21	21	42	603

1877-78,	.	40	36	76	7	19	26	-	-	-	17	27	44	16	13	29	-	-	-	14	9	23	551	429
1878-79,	.	63	43	106	13	13	26	-	-	-	15	13	28	11	3	14	1	1	1	14	9	23	535	442
1879-80,	.	59	58	117	16	12	28	5	7	12	11	12	23	9	10	19	2	-	2	17	12	29	559	446
1880-81,	.	57	66	123	7	13	20	6	7	13	15	15	30	6	10	16	1	-	1	16	10	26	569	463
1881-82,	.	62	62	124	13	15	28	4	9	13	7	14	21	14	13	27	-	1	1	24	14	38	587	459
1882-83,	.	73	69	147	11	17	28	9	-	-	18	15	33	21	14	35	1	1	2	17	13	30	606	469
1883-84,	.	61	75	136	9	16	25	6	11	17	16	19	35	16	20	36	3	1	4	12	13	25	605	463
1884-85,	.	66	70	136	17	12	29	4	5	9	12	17	29	10	16	26	1	2	3	16	11	27	599	476
1885-86,	.	85	98	183	10	19	29	8	2	10	23	36	59	20	23	43	1	-	1	14	12	26	659	491
1886-87,	.	72	76	148	16	8	24	5	3	8	36	31	67	21	16	37	1	2	3	13	18	31	639	469
1887-88,	.	87	79	166	23	13	36	3	6	9	25	22	47	12	17	29	2	-	2	14	17	31	635	481
1888-89,	.	98	57	155	27	15	42	6	6	12	25	40	65	35	8	43	2	1	3	18	7	25	636	446
1889-90,	.	91	79	170	18	14	32	5	9	14	17	17	34	12	5	17	1	2	3	12	9	21	616	495
1890-91,	.	82	59	141	29	16	45	7	7	14	27	26	53	18	22	40	-	-	-	19	12	31	636	453
1891-92,	.	102	75	177	16	21	37	9	10	19	13	8	21	15	8	23	3	-	3	29	9	38	630	489
1892-93,	.	91	78	169	20	11	31	11	15	26	19	18	37	21	22	43	4	-	4	20	17	37	658	480
1893-94,	.	89	83	172	20	12	32	7	7	14	11	17	28	14	22	36	1	-	1	26	11	37	652	504
Totals,	.	2,837	2,723	5,560	655	579	1,234	95	104	199	673	735	1,408	528	530	1,058	25	15	40	613	504	1,117	-	-

22. — *Classed Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65,. . . .	225.10	48.16	69.83	343.25
1865-66,. . . .	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67,. . . .	261.96	49.46	89.75	401.17
1867-68,. . . .	262.65	47.92	103.06	413.63
1868-69,. . . .	248.52	54.98	101.46	404.96
1869-70,. . . .	236.19	65.04	107.23	408.46
1870-71,. . . .	234.10	77.07	118.38	429.55
1871-72,. . . .	226.96	89.57	112.27	428.80
1872-73,. . . .	248.02	99.23	90.00	437.25
1873-74,. . . .	284.48	102.88	82.06	469.42
1874-75,. . . .	274.35	128.34	72.46	475.15
1875-76,. . . .	259.19	146.02	68.94	474.15
1876-77,. . . .	254.84	161.58	60.02	476.44
1877-78,. . . .	211.90	175.71	54.75	442.36
1878-79,. . . .	200.34	182.29	54.23	436.86
1879-80,. . . .	197.03	198.01	54.46	450.50
1880-81,. . . .	180.82	214.15	57.19	452.15
1881-82,. . . .	166.84	238.25	56.52	461.61
1882-83,. . . .	161.62	247.63	57.58	466.83
1883-84,. . . .	155.10	251.23	56.06	462.39
1884-85,. . . .	154.44	261.58	59.82	475.84
1885-86,. . . .	140.23	270.52	63.61	474.36
1886-87,. . . .	122.78	289.38	66.00	478.16
1887-88,. . . .	112.17	294.01	64.01	470.19
1888-89,. . . .	104.67	303.01	61.31	468.99
1889-90,. . . .	96.86	311.17	62.07	470.10
<i>Daily Average.</i>				
1890-91,. . . .	90.71	297.78	68.51	457.00
1891-92,. . . .	85.64	309.42	74.03	469.09
1892-93,. . . .	75.83	338.72	65.71	480.26
1893-94,. . . .	83.50	339.83	70.68	494.11

23. — *Monthly Consumption of Gas.*

MONTHS.	Cubic Feet.	Daily Average.
1893.		
October,	78,900	2,545.16
November,	77,100	2,370.00
December,	84,800	2,735.48
1894.		
January,	95,400	3,077.42
February,	71,400	2,550.00
March,	66,300	2,138.70
April,	53,430	1,781.00
May,	34,105	1,100.16
June,	28,825	960.83
July,	30,200	974.19
August,	37,600	1,212.9
September,	51,900	1,730.00
Totals,	709,960	1,931.32

24. — Supplies for the Several Departments for the Year 1893-94.

	Sheets.	Pillow Cases.	Bed Spreads.	Blankets.	Bed Ticks.	Pillow Ticks.	Towels.	Curtains.	Wash Bowls.	Bowls.	Chambers.	Mirrors.	Hair Brushes.	Combs.	Carpet Strips.	Plates.	Cups.	Saucers.	Tumblers.	Mugs.	Bowls.	Pitchers.	Knives.	Forks.	Vegetable Dishes.
<i>Men's Department.</i>																									
Upper 1st Hall,	6	24	4	—	—	—	24	8	1	1	3	4	—	—	2	—	18	6	12	—	—	6	1	—	—
2d Hall,	40	24	4	—	4	—	6	—	—	—	5	2	4	—	2	6	30	30	42	—	—	6	6	—	—
3d and 4th Halls,	40	28	4	6	2	—	24	—	—	—	12	2	4	5	2	6	24	6	2	36	2	2	0	—	—
Middle 1st Hall,	24	24	4	—	2	—	—	—	1	—	8	2	—	—	—	6	18	12	2	—	—	8	1	2	—
2d Hall,	48	24	4	17	2	4	6	—	1	—	32	2	3	3	9	15	42	48	10	—	—	3	7	2	—
3d and 4th Halls,	50	36	4	6	3	6	—	4	—	—	26	1	3	3	2	12	18	18	2	—	—	3	1	2	—
Lower 1st Hall,	40	40	4	4	—	—	10	—	—	—	3	—	2	—	6	9	12	18	—	—	—	3	—	—	—
2d Hall,	24	18	6	8	1	—	16	—	1	—	42	1	3	5	—	6	12	18	—	—	3	—	1	—	—
3d and 4th Halls,	12	12	8	24	12	—	—	—	—	—	18	2	3	3	—	6	36	6	—	—	—	3	—	—	—
<i>Women's Department.</i>																									
Upper 1st Hall,	20	20	14	6	3	—	48	—	2	2	6	—	—	—	—	54	36	74	60	—	—	18	6	1	—
2d Hall,	52	16	—	—	2	—	—	3	—	1	6	—	—	8	—	12	6	—	60	—	—	6	—	—	—
3d and 4th Halls,	100	48	—	2	17	—	42	—	2	—	12	—	—	24	—	12	24	12	12	—	—	18	5	—	—
Middle 1st Hall,	24	48	2	6	1	—	58	18	—	—	6	1	—	16	—	6	26	6	54	—	—	12	—	—	—
2d Hall,	54	30	12	2	1	—	60	2	2	2	21	—	2	54	—	24	48	12	24	—	—	60	4	—	—
3d and 4th Halls,	84	24	—	2	—	—	18	—	—	—	12	—	—	16	—	12	12	36	—	—	30	6	—	—	—
Lower 1st Hall,	24	—	—	—	—	—	24	—	2	—	12	—	2	34	—	12	36	—	—	—	12	5	—	—	—
2d Hall,	186	54	12	6	—	12	66	2	2	2	72	—	2	36	—	24	36	36	48	—	—	54	6	—	—
3d and 4th Halls,	66	—	12	2	—	6	—	—	1	1	60	—	2	48	1	24	48	—	—	—	102	3	—	—	—
Kitchen,	—	31	9	16	—	1	37	—	2	2	4	—	—	—	—	42	30	30	36	—	20	1	6	—	16
Rear,	43	—	—	—	—	—	—	—	—	—	—	—	—	—	16	78	12	—	6	—	—	—	—	—	—
Centre,	—	6	—	—	—	—	11	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—
Aggregates,	937	507	79	105	48	29	594	37	15	13	363	15	18	258	39	360	490	347	399	37	378	89	35	12	23

24. — Supplies for the Several Departments for the Year 1893-94 — Concluded.

	Spoons.	Table Spreads.	Napkins.	Tin Plates.	Tin Cups.	Iron Spoons.	Dish Towels.	Rollers.	Wash Basins.	Brooms.	Soap, Pounds.	Sand Soap.	Whisks.	Dust Brushes.	Scrub Brushes.	Dust Pans.	Mops.	Pails.	Spittoons.	Blacking.	Shoe Brushes.	Spools Thread.	Papers Needles.	Papers Pins.	Clothes Bags.
<i>Men's Department.</i>																									
Upper 1st Hall,	6	.	13	46	1	5	1	4	1	2	2	4	1	5	1	2	1	1
2d Hall,	12	24	2	16	58	40	2	3	2	1	1	3	4	1	3	4	4	1	1
3d and 4th Halls,	18	12	.	20	68	34	6	3	2	1	1	6	1	7	8	2	2	2	1
Middle 1st Hall,	12	12	1	7	54	25	5	2	1	1	3	4	3	3	8	1	1	1	1
2d Hall,	12	16	.	44	92	34	5	2	3	1	8	4	2	3	1	1	1	1	1
3d and 4th Halls,	24	12	.	33	72	1	1	3	3	1	7	3	2	3	3	1	1	1	1
Lower 1st Hall,	6	6	.	12	34	1	1	1	3	2	13	5	1	3	2	3	2	2	2
2d Hall,	48	12	2	37	58	22	2	2	8	2	8	5	1	1	1	1	1	1	1
3d and 4th Halls,	1	12	.	44	84	24	3	2	5	1	12	5	1	2	2	3	3	3	3
<i>Women's Department.</i>																									
Upper 1st Hall,	6	.	.	15	90	6	.	3	1	1	4	4	1	.	.	7	4	5	2
2d Hall,	12	.	.	25	96	1	.	1	.	.	6	2	.	.	.	36	2	8	2
3d and 4th Halls,	12	.	.	10	105	13	.	1	.	.	8	2	.	.	.	18	3	5	2
Middle 1st Hall,	48	.	2	11	100	3	1	3	1	1	2	2	.	.	.	22	7	11	1
2d Hall,	12	.	.	24	101	8	1	1	2	1	12	3	.	.	.	23	2	11	1
3d and 4th Halls,	12	.	.	17	110	8	1	4	2	1	3	3	.	.	.	32	3	7	2
Lower 1st Hall,	24	.	2	13	96	2	1	2	3	1	24	7	.	.	.	22	7	17	2
2d Hall,	2	31	102	13	1	1	1	9	1	1	.	.	.	16	6	17	1
3d and 4th Halls,	36	.	2	27	121	32	4	6	1	1	1	7	.	.	.	16	7	17	1
Kitchen,	36	24	1	17	106	12	14	6	1	4	8	13	.	.	.	1	1	26	2
Rear,	4	25	1	105	32	12	2	2	1	4	1	4	.	.	.	.	.	.	1
Centre,	18	.	.	3	122	13	2	2	.	.	4	.	.	.	.	.	.	.	1
Aggregates,	282	139	12	524	1,876	297	50	44	41	11	138	72	11	47	6	192	36	125	11

25.—*Days' Work by Patients.*

MONTHS.	FARM.	KITCHEN.			SEWING-ROOM.	LAUNDRY.		
	Men.	Men.	Women.	Totals.	Women.	Men.	Women.	Totals.
1893.								
October, . .	611	124	185	309	242	49	388	437
November, . .	558	120	184	304	245	47	380	427
December, . .	564	124	195	319	349	43	326	369
1894.								
January, . .	596	124	161	285	400	51	310	361
February, . .	485	112	144	256	297	47	227	274
March, . .	523	124	145	269	370	95	271	366
April, . .	523	120	126	246	408	92	259	351
May, . .	575	124	179	303	447	88	311	399
June, . .	681	120	178	298	401	78	310	388
July, . .	674	124	191	315	369	93	306	399
August, . .	632	124	166	290	383	93	316	409
September, . .	557	120	152	272	349	71	246	317
Totals, . .	6,979	1,460	2,006	3,466	4,260	847	3,650	4,497

26. — List of Articles made in the Sewing-room.

Dresses,	267	Dish towels,	251
Basques,	10	Sheets,	951
Skirts,	209	Pillow cases,	558
Shirts,	245	Spreads hemmed,	64
Waists,	21	Table cloths,	38
Night-dresses,	13	Napkins,	119
Drawers,	73	Hats trimmed,	27
Chemises,	213	Pillow ticks,	23
Aprons,	269	Mattress ticks,	66
Caps,	466	Clothes bags,	20
Suspenders,	234	Ox blankets,	2
Camisoles,	19	Yards carpeting made,	457
Curtains,	36	Carpet strips hemmed,	64
Roller towels,	281	Articles repaired,	23,258

27. — Upholstery done in the Year.

Hair mattresses made, new materials,	18
Hair mattresses made, new ticks,	48
Hair mattresses made, old materials,	61
Hair pillows made, new materials,	25
Hair pillows made, old materials,	176

28. — *Annual Cost of Gas.*

YEAR.	Cost of Gas.	Average Number of Patients.	Cost per Patient.
1860-61,	\$2,030 39	314.26	\$6 46
1861-62,	2,085 29	313.80	6 64
1862-63,	2,109 02	355.63	5 93
1863-64,	2,069 79	357.63	5 78
1864-65,	1,653 05	342.40	4 82
1865-66,	1,107 98	376.35	2 94
1866-67,	1,056 16	401.03	2 63
1867-68,	1,022 51	413.41	2 47
1868-69,	903 92	405.10	2 23
1869-70,	915 30	408.83	2 23
1870-71,	1,043 99	421.90	2 47
1871-72,	980 94	428.72	2 28
1872-73,	1,006 61	437.23	2 30
1873-74,	1,066 74	469.54	2 27
1874-75,	1,012 63	475.35	2 13
1875-76,	1,089 82	474.21	2 29
1876-77,	1,033 59	476.16	2 17
1877-78,	1,066 02	442.43	2 41
1878-79,	1,033 05	436.73	2 37
1879-80,	954 00	450.51	2 10
1880-81,	949 65	451.79	2 10
1881-82,	919 13	461.66	2 00
1882-83,	992 10	466.76	2 10
1883-84,	1,031 55	463.05	2 23
1884-85,	912 49	475.94	1 92
1885-86,	882 90	474.40	1 86
1886-87,	854 97	478.54	1 97
1887-88,	901 74	470.25	1 91
1888-89,	955 51	469.10	2 04
1889-90,	977 17	470.5	2 07
1890-91,	1,016 50	457.	2 22
1891-92,	1,083 19	469.09	2 31
1892-93,	1,068 86	480.26	2 22
1893-94,	1,123 68	494.11	2 27

29.—*Trustees of the Northampton Lunatic Hospital.*

NAMES.	Residence.	When app'ted.	Service ended.	From what Cause.
Charles E. Forbes,* . .	Northampton, . . .	1856	1857	Term expired.
Lucien C. Boynton,* . .	Uxbridge, . . .	1856	1858	Term expired.
Eliphalet Trask,* . .	Springfield, . . .	1856	1875	Term expired.
John C. Russell,* . .	Great Barrington, . .	1856	1859	Resigned.
Horace Lyman, . . .	Greenfield, . . .	1856	1857	Removed.
Charles Smith,* . . .	Northampton, . . .	1857	1860	Resigned.
Luther V. Bell,* . . .	Somerville, . . .	1857	1859	Resigned.
Zebina L. Raymond,* . .	Greenfield, . . .	1858	1859	Resigned.
Franklin Ripley,* . . .	Greenfield, . . .	1859	1860	Died in office.
Edward Dickinson,* . .	Amherst, . . .	1859	1864	Resigned.
Walter Lakin,* . . .	Pittsfield, . . .	1859	1866	Term expired.
Silas M. Smith,* . . .	Northampton, . . .	1860	1863	Term expired.
Charles Allen, . . .	Greenfield, . . .	1860	1861	Resigned.
Alfred R. Field,* . . .	Greenfield, . . .	1861	1864	Resigned.
Edward Hitchcock, . .	Amherst, . . .	1863	1879	Resigned.
Silas M. Smith,* . . .	Northampton, . . .	1864	1887	Died in office.
Edmund H. Sawyer,* . .	Easthampton, . . .	1864	1879	Died in office.
Henry L. Sabin,* . . .	Williamstown, . . .	1866	1876	Term expire d.
Adams C. Deane, . . .	Greenfield, . . .	1875	—	Still in office.
Henry W. Taft, . . .	Pittsfield, . . .	1876	1893	Term expired.
William M. Gaylord, . .	Northampton, . . .	1879	1883	Term expired.
Lyman D. James, . . .	Williamsburg, . . .	1879	—	Still in office.
Christopher Merritt, . .	Springfield, . . .	1883	1888	Term expired.
Sarah A. Woodworth, . .	Chicopee, . . .	1884	—	Still in office.
Sarah M. Butler, . . .	Northampton, . . .	1884	—	Still in office.
John L. Otis,* . . .	Florence, . . .	1887	1890	Resigned.
N. A. Leonard,* . . .	Springfield, . . .	1888	1890	Died in office.
Alvan Barrus, . . .	Goshen, . . .	1890	—	Still in office.
Elisha Morgan, . . .	Springfield, . . .	1890	—	Still in office.
William D. MacInnes, . .	Pittsfield, . . .	1893	—	Still in office.

* Deceased.

30. — Officers and Employees.

Time employed Oct. 1, 1894.

NAMES.	Years.	Months.	Days.
Edward B. Nims, M.D., superintendent,	25	9	16
John A. Houston, M.D., assistant physician,	5	—	7
Charles M. Holmes, M.D., assistant physician,	5	2	21
Jane R. Baker, M.D., female physician,	2	1	28
Lewis F. Babbitt, clerk,	2	11	19
John Mercier, farmer,	27	2	—
Danford Morse, engineer,	29	6	9
Robert H. Gallivan, supervisor,	21	5	13
Lucy A. Gilbert, supervisor,	27	7	20
Benjamin Grant, steward,	1	10	16
George B. Walker, baker,	10	3	22
Bradamante Fairbanks, seamstress,	2	8	3
Chloe L. Marks, laundress,	2	4	—
Charles E. Marshall, laundryman,	—	8	16
Inez M. Field, assistant clerk,	4	9	3
Elizabeth Bycraft, assistant supervisor,	3	—	1
Martin Sawyer, assistant steward,	3	—	26
Mattie Jones, assistant seamstress,	2	10	16
Matilda Taylor, assistant laundress,	—	8	9
Hattie LaPointe, assistant laundress,	—	3	5
Henry W. Estey, attendant,	12	6	7
Albertus A. Powers, attendant,	3	—	14
Martin V. B. Vance, attendant,	2	8	7
Samuel L. Williams, attendant,	2	3	4
Max A. Gerald, attendant,	1	9	25
Fred P. Wilson, attendant,	1	5	6
Arthur LeDuc, attendant,	1	3	27
Clarke F. Wilkinson, attendant,	1	3	23
Edward R. Cover, attendant,	1	1	10
Delbert L. Gordon, attendant,	1	2	17
Hugh McGee, attendant,	—	11	23
Herbert R. Sears, attendant,	—	11	16
Irving F. Boynton, attendant,	—	7	16
Edward Ransom, attendant,	—	5	21
George LaPointe, attendant,	—	5	—
Ernest J. Hines, attendant,	—	2	6
Joseph A. Hicks, attendant,	—	2	—
Ernest C. Burnham, attendant,	—	—	10
William Day, night watch,	1	—	24
Jeanette McLean, attendant,	11	1	3
Jennie E. O'Brien, attendant,	2	3	29
Mary A. Dobson, attendant,	2	1	9
Marie A. Dutcher, attendant,	1	5	10
Helen S. Underhill, attendant,	1	1	12
Katie Larkin, attendant,	1	—	12
Bridget Carey, attendant,	1	—	6
Kate Frawley, attendant,	—	11	8
Bessie Whalen, attendant,	—	11	25
Alice H. Dunbar, attendant,	—	11	6
Alice A. O'Brien, attendant,	—	7	25

31. — *Officers and Employees* — Concluded.

NAMES.	Years.	Months.	Days.
Mary Morris, attendant,	—	4	23
Mary J. Darling, attendant,	—	1	3
Hattie S. Potter, attendant,	—	4	10
Inez D. Clark, attendant,	—	3	13
Jennie S. Davis, attendant,	—	2	5
Ina A. Brown, attendant,	—	—	7
E. Luella Field, night watch,	2	4	20
Delia Ryan, night watch,	1	1	14
Bridget Frawley, night watch,	—	—	21
Hattie Darling, centre,	7	10	—
Ida M. Larabee, centre,	1	5	13
Susan Warren, centre,	—	6	25
Alice A. Hawkes, farmers' dining-room,	6	9	27
Alice Grant, cook,	1	10	16
Mary Mangan, cook,	5	9	6
Annie Goodwin, cook,	1	4	3
Bridget Mangan, cook,	1	4	6
Cassie Fitzsimmons, cook,	—	11	8
Nora Burns, rear,	—	3	11
William C. Hall, assistant engineer,	29	—	20
Nicholas Riel, night engineer,	18	9	25
B. F. Tufts, fireman,	—	10	3
William E. Larabee, watchman,	2	8	15
Sifroi Belleville, carpenter,	24	5	7
Walter Tower, carpenter,	16	10	—
Alfred Parenteau, painter,	29	1	18
David Mercier, coachman,	17	7	14
Benjamin Rockwell, assistant farmer,	27	4	—
Henry Wilson, assistant farmer,	15	5	8
James Madden, assistant farmer,	19	—	29
Eugene Sullivan, assistant farmer,	19	5	—
Patrick Egan, assistant farmer,	2	1	8
Thomas Donahoe, assistant farmer,	1	11	—
Xavier Dion, assistant farmer,	1	3	17
Charles H. Egleston, assistant farmer,	—	7	16
Henry Tyler, assistant farmer,	—	6	11
George Bennett, assistant farmer,	—	5	14
Jerry McKenna, assistant baker,	—	5	15
John Bourke, car boy,	1	4	14
George W. Thorniley, florist,	1	5	12



PUBLIC DOCUMENT

. . . . No. 21.

FORTIETH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON LUNATIC HOSPITAL,

FOR THE

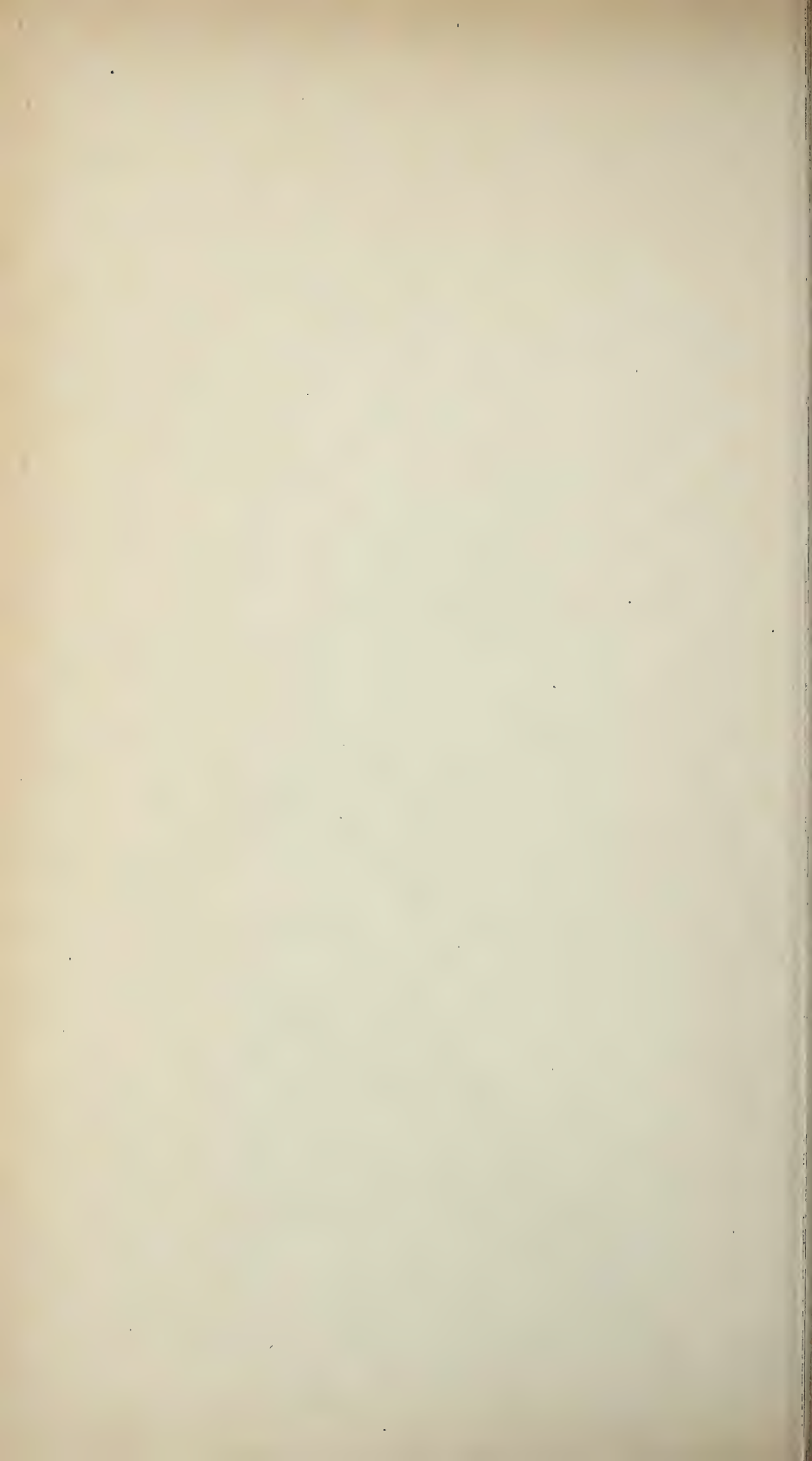
YEAR ENDING SEPTEMBER 30, 1895.

BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1896.



FORTIETH ANNUAL REPORT

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FOR THE

YEAR ENDING SEPTEMBER 30, 1895.

From Northampton state hospital

BOSTON :

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1896.

94

NOV 26 1820

WILLIAM L. BOSTON
Officer of Court

WILLIAM L. BOSTON
Officer of Court

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OFFICERS

OF THE

NORTHAMPTON LUNATIC HOSPITAL.

TRUSTEES.

HON. ALVAN BARRUS,	GOSHEN.
MRS. SARAH A. WOODWORTH,	. . . . .	CHICOPEE.
MRS. SARAH M. BUTLER,	. . . . .	NORTHAMPTON.
ADAMS C. DEANE, M.D.,	. . . . .	GREENFIELD.
WILLIAM D. MACINNES, Esq.,	. . . . .	PITTSFIELD.
LYMAN D. JAMES, Esq.,	. . . . .	WILLIAMSBURG.
HON. ELISHA MORGAN,	. . . . .	SPRINGFIELD.

RESIDENT OFFICERS.

EDWARD B. NIMS, M.D.,	. . . . .	<i>Superintendent.</i>
JOHN A. HOUSTON, M.D.,	. . . . .	<i>Assistant Physician.</i>
CHARLES M. HOLMES, M.D.,	. . . . .	<i>Assistant Physician.</i>
JANE R. BAKER, M.D.,	. . . . .	<i>Female Physician.</i>
LEWIS F. BABBITT,	. . . . .	<i>Clerk.</i>
S. EMMA HINES,	. . . . .	<i>Matron.</i>
JOHN MERCIER,	. . . . .	<i>Farmer.</i>
WALTER I. DODGE,	. . . . .	<i>Engineer.</i>

TREASURER.

EDWARD B. NIMS,	. . . . .	NORTHAMPTON.
Office at the Hospital.		

SUBORDINATE OFFICERS.

ROBERT H. GALLIVAN,	. . . . .	<i>Male Supervisor.</i>
LUCY A. GILBERT,	. . . . .	<i>Female Supervisor.</i>
MARTIN S. SAWYER,	. . . . .	<i>Steward.</i>
BRADAMANTE FAIRBANKS,	. . . . .	<i>Seamstress.</i>
CHLOE L. MARKS,	. . . . .	<i>Laundress.</i>
GEORGE B. WALKER,	. . . . .	<i>Baker.</i>



Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

We have the honor to present for your consideration the fortieth annual report of this hospital. It contains a summary of the operations of the hospital for the year ending Sept. 30, 1895. We are confident that the results exhibited in this report and the annexed reports of the treasurer and superintendent will justify us in saying that the patients have been well cared for, that the finances have been successfully managed and that the condition of the institution has been materially improved. The large increase in the number of patients is in accordance with remarks made in our last report, and proves conclusively that relief will soon be imperatively demanded, either in the removal of patients or in more ample accommodations.

The year has not brought any unusual event or accident. There has not been any large amount of illness among the patients. The death rate is small. The number of patients in the hospital Oct. 1, 1894, was 504, — 248 men, 246 women. One hundred and ten men and 91 women were admitted within the year. Eighty-three men and 76 women were discharged, including 32 deaths. Thirty-eight were reported as recovered, 22 as much improved, 29 as improved and 38 as unimproved. Nineteen cases were transferred to other institutions, 22 were removed out of the State. The large number of recent and severe cases admitted within the year has made large demands on the service of both the medical staff and attendants. The largest number of patients in the house on any one day was 548, the smallest 503; the daily average was 526.56.

The improvements and changes in the hospital building have been continued as rapidly as the funds at hand would warrant. The new system of heating and ventilation, which has been in operation in the female wing for two years, has been completed in the male wing. It has been very satisfactory in its results, and we judge has produced an appreciable effect upon the general health of the patients for the better. It is certain that the amount of illness during the year has been very small.

The electric light plant was completed and set in operation Dec. 1, 1894, and has given general satisfaction. The halls and rooms are well lighted. The new kitchen has also proved to be a great improvement, in comfort, convenience and efficiency. The bakery, bread room and passageways in the basement have been renovated with new ceilings, cement floors, new cupboards, etc. A new refrigerator, milk room and butter room have been constructed, but some work remains yet to be done. These changes will make the kitchen complete and well appointed.

That much-needed improvement, the new chapel, is now completed, and will be a great convenience for the numerous assemblies on the Sabbath and in the week-day evenings. It will seat comfortably from five hundred to six hundred persons. It is neatly but not expensively finished, and is a very cheerful and comfortable room. The present chapel is to be divided into rooms of various sorts, including a library, work rooms and lodging-rooms. The three iron staircases in fire-proof towers adjacent to the chapel are completed and in use. A new sewing-room, made necessary by the change in the chapel, has been constructed, and is in operation, also a new sitting-room for employees. The dining-rooms for employees and assistant physicians are being rearranged and enlarged to meet the wants arising from the increase in numbers.

The contract for the improvements in the men's department of the hospital has been let to Messrs. Brown & Bailey of Northampton, and the work is now under way. These include three additions to the wing, new fire walls, iron staircases, bath rooms, etc., new bays in the nine halls, new ceilings, floors and many other changes too numerous to mention. Many more improvements are needed. An infirmary building for the women's department, plans for which have been made,

is very much needed to relieve the crowded halls. The central building needs repairs. The main barn on the farm will have to be replaced. The water system in the hospital will need renewing.

The farm improvements have been continued through the year, and the results are apparent in the abundant crops.

The treasurer's report shows : —

Cash assets Sept. 30, 1895,	. . . . .	\$25,719 58
Liabilities,	. . . . .	8,636 75
		<hr/>
Balance,	. . . . .	\$17,082 83

The following gives the amount charged the different classes of patients : —

State patients,	. . . . .	\$13,704 50
Town patients,	. . . . .	62,250 91
Private patients,	. . . . .	18,195 12
		<hr/>
Total,	. . . . .	\$94,150 53

Mr. Danford Morse, the engineer, retired from his position after serving the institution faithfully for over thirty years. Walter I. Dodge was appointed in his place. Mrs. S. E. Hines was appointed matron. The other members of the staff remain the same as last year.

The trustees take satisfaction in acknowledging the faithful manner in which the superintendent and his assistants have anticipated and advanced our efforts for the comfort and improvement of this deeply afflicted class of humanity.

ALVAN BARRUS.
 SARAH A. WOODWORTH.
 SARAH M. BUTLER.
 ADAMS C. DEANE.
 WM. D. MACINNES.
 LYMAN D. JAMES.
 ELISHA MORGAN.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1895.

Superintendent and physician,	per year, \$2,500 00
Assistant physician, first,	" 1,500 00
Assistant physician, second,	" 700 00
Female physician,	" 600 00
Treasurer,	" 300 00
Treasurer, for clerk hire and paid to clerk,	" 200 00
Clerk,	" 1,200 00
Matron,	" 400 00
Farmer,	" 700 00
Engineer, house rent and partial board,	" 1,000 00
Assistant clerk,	per month, 30 00
Supervisor (male),	" 50 00
Supervisor (female),	" 30 00
Assistant supervisor (female),	" 25 00
Seamstress,	" 25 00
Assistant seamstress,	" 18 00
Laundress,	" 18 00
Laundryman, without board,	" 60 00
Assistant laundresses, with partial board (2),	" 22 00
Assistant laundress,	" 16 00
Baker,	" 45 00
Assistant baker,	" 30 00
Steward,	" 50 00
Assistant steward,	" 30 00
Attendants (male, 12),	" 30 00
Attendant (male),	" 25 00
Attendants (male, 5),	" 23 00
Attendant (male),	" 21 00
Night watch (female),	" 20 00
Night watch (female, 2),	" 16 00

Attendants (female, 10),	per month,	\$20 00
Attendant (female),	"	22 00
Attendants (female, 5),	"	16 00
Attendants (female, 2),	"	15 00
Attendants (female, 2),	"	14 00
Housework, centre (female),	"	17 00
Housework, centre (female),	"	16 00
Housework, centre (female),	"	14 00
Cook,	"	25 00
Assistant cooks (female, 2),	"	16 00
Assistant cooks (female, 2),	"	15 00
Assistant cooks (female, 2),	"	14 00
Farmer's dining-room (female),	"	14 00
Housework, rear building (female),	"	16 00
Watchman,	"	25 00
Carpenter,	per day,	2 25
Carpenter,	"	2 00
Painter,	per month,	50 00
Gardener,	"	30 00
Assistant engineer,	"	30 00
Coachman,	"	30 00
Car boy,	"	20 00
Florist, without board,	"	50 00
Farm hands (2),	"	30 00
Farm hands (2),	"	28 00
Farm hands (2),	"	26 00
Farm hands (2),	"	25 00
Farm hand,	"	23 00

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1895.

Live stock on farm,	\$7,937 50
Products of farm on hand,	9,771 46
Carriage and agricultural tools,	3,250 00
Machinery and mechanical fixtures,	12,945 00
Beds and bedding in inmates' department,	12,600 00
Other furniture in inmates' department,	8,275 50
Personal property of State in superintendent's department,*	7,750 00
Ready-made clothing,	1,935 61
Dry goods,	1,062 05
Bedding,	786 88
Small wares,	347 92
Miscellaneous,	1,847 39
Provisions and groceries,	2,740 30
Drugs and medicines,	550 00
Fuel,	453 20
Library,	1,000 00
Paints and oils,	420 00
	<hr/>
	\$73,672 81

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing-room and other departments.

TREASURER'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

I hereby present my report, as treasurer of the hospital, for the fiscal year ending with the 30th of September, 1895. It contains, as usual, an appraisal of the property of the institution, an account of the receipts and the disbursements of money during the year, and the financial condition at its close.

ASSETS.

Four hundred and ninety-three acres of land, .	\$53,000 00
Hospital building,	400,000 00
Farm-house, \$1,750; brick house, \$1,750, . . .	3,500 00
Four dwellings,	2,000 00
Storehouse and shops,	20,000 00
Two barns,	4,500 00
Horse stable,	1,900 00
Scullery and wood-house,	400 00
Lumber-house,	900 00
Pump-house,	700 00
Cart shed,	400 00
Piggery,	3,000 00
Fire-proofs for oils and paints,	500 00
Two ice-houses,	400 00
	\$491,200 00

PERSONAL ESTATE.

Stock and supplies on hand, as per inventory appended to the trustees' report,	\$73,672 81
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RECEIPTS.

Cash on hand Sept. 30, 1894,	\$20,384 39
Receipts from State treasurer,	13,704 50
from towns,	62,250 91
from individuals,	18,195 12
from sales,	2,247 31
from interest,	338 41
	\$117,120 64

PAYMENTS.

1. Salaries, wages and labor,		\$36,582 49
2. Provisions and supplies:—		
Meats of all kinds,	\$5,223 37	
Fish of all kinds,	1,465 34	
Fruit and vegetables,	1,139 86	
Flour (520 barrels),	1,883 00	
Grain and meal for table,	284 52	
Tea, coffee and chocolate,	1,052 13	
Sugar and molasses,	1,399 03	
Grain and meal for stock,	3,310 99	
Butter and cheese,	4,309 26	
Salt and other groceries,	2,303 67	
All other provisions,	1,386 80	
		<hr/>
		23,757 97
3. Clothing,		2,472 25
4. Fuel and lights,		9,286 85
5. Medicine and medical supplies,		1,349 31
6. Furniture, beds and bedding,		2,587 73
7. Transportation and travelling expenses,		451 53
8. Ordinary construction and repairs,		1,302 74
9. Extraordinary construction and repairs,		30,798 24
1. Farm stock,	\$884 00	
2. Farm supplies,	2,897 62	
3. Water,	1,183 00	
4. Minor expenses,	2,108 84	
5. Contingencies,	949 29	
		<hr/>
		8,022 75
		<hr/>
Total expenses,		\$116,611 86

LIABILITIES.

Salaries and wages due Oct. 1, 1895,	\$4,599 02
Miscellaneous bills due,	4,037 73
	<hr/>
	\$8,636 75
Due institution for board Oct. 1, 1895:—	
From State,	\$3,652 71
towns,	16,666 58
individuals,	4,891 51
Due from the treasurer Sept. 30, 1895,	508 78
	<hr/>
	\$25,719 58

SUMMARY.

Total receipts,	\$117,120 64
Total payments,	116,611 86
	<hr/>
Cash on hand Sept. 30, 1895,	\$508 78

Total liabilities,	\$8,636 75
Total debts due the institution,	25,719 58
Total expenditures,	116,611 86

Deducting from the total expenditure,	\$116,611 86
The extraordinary expenses,	30,798 24

We have the current expenses, \$85,813 62

Dividing \$85,813.62 by 526.56, the average number of patients,	
we have, as the annual cost of each patient,	\$162 97
Making the average weekly cost of each patient,	3 12

EDWARD B. NIMS,
Treasurer.

We have examined, as auditors, the accounts of the treasurer, and found a satisfactory voucher for every entry.

A. C. DEANE,
S. A. WOODWORTH,
Auditors.

FINANCIAL STATEMENT.

Of the appropriation made by the Legislature of 1895 for the purpose of the improvements now in process of construction : —

Amount of appropriation,	\$50,000 00
Drawn July 19, 1895,	\$15,825 83
Drawn Sept. 13, 1895,	5,757 84
	<hr/>
	\$21,583 67

EDWARD B. NIMS,
Treasurer.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The fortieth annual report of the hospital is hereby presented by the superintendent, it being the report for the year 1894-95.

1. — General Statistics of the Year.

	INSANE.			VOLUNTARY PATIENTS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1894,	248	256	504	-	-	-
Admitted within the year,	110	91	201	-	-	-
Whole number of cases within the year, . .	358	347	705	-	-	-
Discharged within the year,	83	76	159	-	-	-
Viz.: as recovered at time of leaving the hospital,	16	22	38	-	-	-
as much improved,	15	7	22	-	-	-
as improved,	15	14	29	-	-	-
as not improved,	19	19	38	-	-	-
as not insane,	-	-	-	-	-	-
Deaths,	18	14	32	-	-	-
Patients remaining Sept. 30, 1895,	275	271	546	-	-	-
Viz.: supported as State patients,	46	34	80	-	-	-
supported as town patients,	196	197	393	-	-	-
supported as private patients,	33	40	73	-	-	-
Number of different persons within the year, .	354	344	698	-	-	-
Persons admitted,	107	90	197	-	-	-
Persons recovered,	16	22	38	-	-	-
Daily average number of patients,	262.285	264.276	526.56	-	-	-
Viz.: State patients,	44.37	36.5	80.87	-	-	-
town patients,	186.845	189.176	376.02	-	-	-
private patients,	31.07	38.6	69.67	-	-	-

1. — General Statistics of the Year — Concluded.

	NOT INSANE.			AGGREGATE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1894,	-	-	-	248	256	504
Admitted within the year,	-	-	-	110	91	201
Whole number of cases within the year,	-	-	-	358	347	705
Discharged within the year,	-	-	-	83	76	159
Viz.: as recovered at time of leaving the hospital,	-	-	-	16	22	38
as much improved,	-	-	-	15	7	22
as improved,	-	-	-	15	14	29
as not improved,	-	-	-	19	19	38
as not insane,	-	-	-	-	-	-
Deaths,	-	-	-	18	14	32
Patients remaining Sept. 30, 1895,	-	-	-	275	271	546
Viz.: supported as State patients,	-	-	-	46	34	80
supported as town patients,	-	-	-	196	197	393
supported as private patients,	-	-	-	33	40	73
Number of different persons within the year,	-	-	-	354	344	698
Persons admitted,	-	-	-	107	90	197
Persons recovered,	-	-	-	16	22	38
Daily average number of patients,	-	-	-	262.285	264.276	526.56
Viz.: State patients,	-	-	-	44.37	36.5	80.87
town patients,	-	-	-	186.845	189.176	376.02
private patients,	-	-	-	31.07	38.6	69.67

On the 1st of October, 1895, 3 women were transferred from State to town charge. Hence the new year will begin with : —

	Males.	Females.	Totals.
State patients,	46	31	77
Town patients,	196	200	396

The year began with 504 patients in the hospital Oct. 1, 1894, — 248 men, 256 women. Two hundred and one cases were admitted within the year, — 110 men and 91 women. One hundred and fifty-nine left the hospital, — 83 men, 76 women, including 32 deaths. Thirty-eight persons were dis-

charged as recovered, 22 as much improved, 29 as improved, 38 as unimproved. There was a marked increase in the daily average, it being 526.56, or 32 larger than the year previous. The number in the house Sept. 30, 1895, was 546, — men 275, women 271. The largest number on any one day was 548, which is larger by 36 than on any day in previous years. The smallest number on any one day was 503. Seven hundred and five cases were under treatment. Eighty-five persons returned to their homes within the year, 22 were removed out of the State and 19 went to almshouses. One hundred and sixty-nine cases were admitted for the first time, 19 were second admissions, 6 third admissions, 3 fourth, 3 fifth and 1 sixth. One hundred and ninety-seven persons were admitted within the year, 158 left the hospital and 698 were under treatment. One man and 2 women were discharged and readmitted, 2 men and 1 woman admitted, discharged and readmitted, and 1 man was admitted and discharged twice.

STATUS OF PATIENTS.

The status of the patients in the hospital has not materially changed during the year. The tendency has been for many years towards a decrease in the number of State patients and an increase in the number of town and city patients. The reason for this is partly in the fact that the patients chargeable to towns come from the large class of people who are permanently resident in the State. The State patients mostly belong to the smaller transient class, and are frequently removed from the State. There were in the hospital 73 State patients, 361 town and city patients and 70 private on Oct. 1, 1894. Of those admitted within the year 73 were State patients, 108 were supported by towns and cities and 20 were charged to individuals. Sept. 30, 1895, there were in the hospital 80 State patients, 393 town and city patients and 73 private patients.

The methods in use in this State in determining the status and collecting bills for support of patients are cumbersome and complicated. It often requires considerable labor and the skill of an expert to decide where a patient belongs. The settlement of patients is occasionally changing. The hospital must send a bill to towns or cities for each patient who has a settle-

ment, and sometimes wait until the settlement is proven. It would simplify the matter very much if all patients who are dependent on others for support could be charged to the State. The proportion of patients in the towns of western Massachusetts is very unequal. Some towns have no patients, one has never had any in this hospital, other towns have many. It would appear to be fair and just that each town and city should pay according to their ability for the support of the insane.

The following table gives the weekly average of the different classes of patients :—

	1893-94.			1894-95.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients,	46.11	34.74	80.85	44.53	35.5	80.03
Town patients,	170.32	169.00	339.32	186.92	188.26	375.18
Private patients,	30.13	37.17	67.30	30.96	39.46	70.47

RECOVERIES.

The cases admitted within the year are, as usual, to a large degree chronic and incurable. Of the 201 cases admitted more than one-half were evidently incurable when they came in. The cases of epilepsy, senile and secondary dementia, paresis, paranoia, melancholia of long standing, cases of congenital mental deficiency, all go to make up the incurable class. Many of the acute cases are of an exceedingly discouraging character. In toxic and alcoholic insanity, when apparently recovered and discharged, relapse is almost certain. The hereditary tendency asserts itself again and again. In many other cases the exciting cause remains when the patient is temporarily recovered. The number of patients discharged as recovered was 38. Of those admitted within the year 13 had previously been discharged as recovered. The percentage of recoveries on the number admitted was 13.9; on the whole number who left the hospital, 23.89. The percentage of the whole number discharged as recovered, much improved and improved on those admitted was 44.22; on those discharged, 55.9.

DEATHS.

The proportion of deaths is small. The number was 32. The percentage on the daily average number in the house was 6.07; on the whole number treated, 4.53. Ten of those who died were in a very serious condition when admitted, and lived but a short time. Four patients died of consumption, 2 of these being in the last stage when admitted. Bright's disease, cancer, exhaustion of acute mania, peritonitis, chronic bronchitis and old age each caused 1 death. Exhaustion of acute melancholia, capillary bronchitis and epilepsy caused 2 deaths each. Three died of paresis, heart disease, dysentery and exhaustion of chronic brain disease, and 4 of apoplexy. The disease was of long standing in 25 of these cases, and existed when the patients were admitted to the hospital. In several others the disease was the result of a long-continued feeble condition.

The following table gives the number and ratios of deaths since 1858:—

Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1895.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Average No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Average No. of Patients.
			Men.	Women.	Totals.		
1858-59, .	313	229.55	7	12	19	6.07	8.27
1859-60, .	398	255.96	9	18	27	6.78	10.54
1860-61, .	434	314.26	15	15	30	6.91	9.54
1861-62, .	442	313.80	9	10	19	4.29	6.05
1862-63, .	470	355.28	19	7	26	5.53	7.31
1863-64, .	475	357.63	17	30	47	9.89	13.14
1864-65, .	469	342.40	17	24	41	8.76	11.97
1865-66, .	488	376.35	18	13	31	6.35	8.23
1866-67, .	543	401.03	23	24	47	8.65	11.71
1867-68, .	565	413.41	25	17	43	7.61	10.40
1868-69, .	590	405.10	13	12	25	4.23	6.17
1869-70, .	604	408.83	22	11	33	5.46	8.07
1870-71, .	616	421.90	16	12	28	4.54	6.64
1871-72, .	619	428.72	19	18	37	5.97	8.63

*Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1895 —
Concluded.*

OFFICIAL YEAR.	Whole No. of Patients.	Daily Average No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Average No. of Patients.
			Men.	Women.	Totals.		
1872-73, . .	614	437.23	13	8	21	3.42	4.80
1873-74, . .	626	469.54	14	11	25	3.99	5.32
1874-75, . .	629	475.35	23	18	41	6.52	8.62
1875-76, . .	629	474.21	18	19	37	5.88	7.80
1876-77, . .	603	476.16	21	21	42	6.96	8.82
1877-78, . .	551	442.43	14	9	23	4.17	5.19
1878-79, . .	535	436.73	14	9	23	4.29	5.27
1879-80, . .	559	450.51	17	12	29	5.19	6.44
1880-81, . .	569	451.79	16	10	26	4.57	5.75
1881-82, . .	587	461.66	24	14	38	6.47	8.23
1882-83, . .	606	466.76	17	13	30	4.95	6.42
1883-84, . .	605	463.05	12	13	25	4.13	5.39
1884-85, . .	599	475.94	16	11	27	4.51	5.67
1885-86, . .	659	474.40	14	12	26	3.94	5.48
1886-87, . .	639	478.55	13	18	31	4.85	6.47
1887-88, . .	635	470.25	14	17	31	4.88	6.59
1888-89, . .	636	469.10	18	7	25	3.93	5.32
1889-90, . .	616	470.50	12	9	21	3.40	4.46
1890-91, . .	636	457.00	19	12	31	4.87	6.78
1891-92, . .	630	469.09	29	9	38	6.03	8.1
1892-93, . .	658	480.26	20	17	37	5.62	7.7
1893-94, . .	652	494.11	26	11	37	5.67	7.48
1894-95, . .	705	526.56	18	14	32	4.53	6.07

WORSHIP AND ENTERTAINMENT.

The course of entertainments has been continued through the year, though somewhat interrupted by the changes going on in the hospital. The religious exercises on Sunday have been regularly held. The average attendance was 305. It is always with much satisfaction that we observe the large attendance and good order that almost universally characterize these exercises. They serve the purpose of amusement, entertainment and in-

struction. The general effect is, we believe, always good. They divert the mind from trouble and worry, and give something for thought and reflection. They afford a motive for self-control, at least while present at the exercise.

Exercises in Chapel.

1. ON THE SABBATH:—	
Divine worship,	52 days.
2. ON SECULAR EVENINGS:—	
(a) Readings and Recitations, opened and closed with Music:—	
The Bible and selections of prose,	3 days.
The Bible and selections of poetry,	4 days.
The Bible and selections of poetry and prose,	40 days.
Miscellaneous selections of prose,	84 days.
Miscellaneous selections of poetry and prose,	15 days.
Miscellaneous selections of poetry,	2 days.
(b) Other Entertainments:—	
Concerts,	2 days.
(c) Social Assemblies:—	
Quadrille parties,	24 days.
No assembly,	139 days.
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	365 days.

FARM.

The season has been a favorable one for the farm, and the crops are generally very good. The hay crop is the largest ever gathered. The apple crop is below the average. Vegetables and grains are excellent. The value of the farm to the hospital becomes more apparent each year, in the abundant supply of vegetables, milk and fruits for the tables. The saving in expense is considerable. The convenience is great, as it would be almost impossible to obtain a supply of these things which would be equally good in quality and quantity. The out-door work affords an excellent opportunity for such patients as are able to engage in healthful labor.

The amount of milk produced was 34,779 gallons; one-third of this amount is reckoned in the table of products, the other two-thirds being allowed for the cost of the animals and the food consumed by them.

The products of the farm for the year are estimated to be worth \$15,305.63. There were on the farm Sept. 30, 1895, 8 oxen, 3 bulls, 50 cows, 20 heifers, 10 calves, 11 horses, 211

swine and 270 poultry. The annexed table gives the annual product of hay :—

1864, estimated, . . .	40 tons.	1880, weighed, . . .	154 tons.
1865, " . . .	62 "	1881, " . . .	213 "
1866, " . . .	42 "	1882, " . . .	170 "
1867, weighed, . . .	82 "	1883, " . . .	197 "
1868, " . . .	86 "	1884, " . . .	174 "
1869, " . . .	91 "	1885, " . . .	251 "
1870, " . . .	74 "	1886, " . . .	269 "
1871, " . . .	75 "	1887, " . . .	302 "
1872, " . . .	91 "	1888, " . . .	305 "
1873, " . . .	84 "	1889, " . . .	331 "
1874, " . . .	120 "	1890, " . . .	336 "
1875, " . . .	100 "	1891, " . . .	295 "
1876, " . . .	111 "	1892, " . . .	315 "
1877, " . . .	154 "	1893, " . . .	262 "
1878, " . . .	179 "	1894, " . . .	289 "
1879, " . . .	144 "	1895, " . . .	364 "

The amount of pork produced was much lessened by the cholera, which prevailed for a few weeks in the time of the summer drouth.

The annexed table gives the annual product of pork :—

1865,	6,265 pounds.	1881,	15,610 pounds.
1866,	5,443 "	1882,	14,414 "
1867,	7,416 "	1883,	15,612 "
1868,	7,791 "	1884,	10,192* "
1869,	8,469 "	1885,	17,544 "
1870,	7,447 "	1886,	21,503 "
1871,	7,863 "	1887,	26,331 "
1872,	11,366 "	1888,	18,465 "
1873,	10,511 "	1889,	19,227 "
1874,	12,024 "	1890,	25,189 "
1875,	12,693 "	1891,	32,621 "
1876,	12,467 "	1892,	31,074 "
1877,	13,605 "	1893,	23,505 "
1878,	14,451 "	1894,	21,873 "
1879,	13,569 "	1895,	15,718* "
1880,	14,729 "		

List of Farm Products in 1895.

Hay (first growth), 282½ tons, .	\$4,237 50	Broom seed, 50 bushels, . . .	\$16 00
Hay (after growth), 72½ tons, .	1,156 00	Carrots, 179 bushels, . . .	72 30
Hay (2d quality), 9 tons, . . .	45 00	Sugar beets, 400 bushels, . . .	80 00
Corn fodder, 27 tons,	162 00	Beets, 300 bushels,	135 00
Corn, 650 bushels,	260 00	Onions, 315½ bushels, . . .	131 63
Straw, 9 tons,	108 00	Turnips, 450 bushels, . . .	140 00
Potatoes, 3,623 bushels, . . .	1,268 05	Parsnips, 70 bushels, . . .	42 00
Potatoes, 300 bushels (small), .	30 00	Rye, 108 bushels,	48 60
Broom brush, 700 pounds, . . .	35 00	Oats, 120 bushels,	30 60

* Quantity diminished by disease.

List of Farm Products in 1895 — Concluded.

Quinces, 14½ bushels, . . .	\$8 70	Apples, 454 barrels, . . .	\$667 00
Pears, 91 bushels, . . .	45 50	Beef, 6,595 pounds, . . .	487 68
Beans (in shell), 183½ bushels, .	183 50	Veal, 1,459 pounds, . . .	139 36
Beans (string), 27½ bushels, . .	27 50	Pork, 15,718 pounds, . . .	941 04
Sweet corn (green, in ear), 213½ bushels, . . .	148 50	Pigs (roast), 1, . . .	2 00
Pease (green), 142 bushels, . .	142 00	Pigs sold, 4, . . .	14 00
Tomatoes, 172½ bushels, . . .	86 25	Chickens, 557½ pounds, . .	111 80
Lettuce, 88½ bushels, . . .	88 50	Eggs, 586 dozen, . . .	158 95
Cucumbers, 102½ bushels, . .	51 25	Milk (grass-fed), 11,593 gallons, .	2,360 87
Swiss chard, 90½ bushels, . . .	90 50	Cider, 40 barrels, . . .	100 00
Summer squash, 56½ bushels, . .	56 50	Calf skins, 15, . . .	17 25
Melons (musk), 4,550 pounds, . .	45 50	Young calves sold, 5, . . .	14 00
Melons (water), 4,886 pounds, . .	48 86	Wood, 15 cords, . . .	37 50
Beet greens, 17 bushels, . . .	17 00	Ensilage, 125 tons, . . .	437 50
Asparagus, 42 bushels, . . .	126 00	Squash (winter), 4,000 pounds, .	40 00
Pie plant, 122 bushels, . . .	122 00	Posts, 75, . . .	15 00
Spinach, 37½ bushels, . . .	37 50	Ice, 300 tons, . . .	300 00
Cabbage, 3,590 heads, . . .	71 80	Husks (corn), 1½ tons, . . .	10 00
Celery, 1,300 plants, . . .	27 50		
Currants, 9½ bushels, . . .	28 50		\$15,305 63

FINANCES.

The hospital depends for its income mainly upon the products of the farm and the board bills of the patients. The State, towns and cities pay for the support of their patients \$3.25 per week. This sum covers all expenses except as stated in the following. The law (chapter 87, section 45 of the Public Statutes) provides that "No pauper shall be discharged from the State hospitals without suitable clothing, and the trustees may furnish the same at their discretion, together with such sums of money, not exceeding twenty dollars, as they may deem necessary. Such money and the cost of such clothing, the expense of pursuing such lunatics as may escape therefrom and of burial of such as die in the hospital, shall be reimbursed to the trustees by the places of legal settlement of city and town paupers, and by the Commonwealth in the case of State paupers."

The cost per week of each patient for the past year was \$3.12. The daily average of State and town patients for the past year was 456.89. The price of board for private patients is arranged, at the time of admission, with the friends. The daily average of private patients for the year was 69.67. The average price paid for all private patients who were in the hospital Sept. 30, 1895, was \$4.82. Clothing and damages are not included in this sum.

Cash Assets on Hand Sept. 30, 1895.

Cash on hand,	\$508 70
Board of private patients due,	4,891 51
of State patients,	3,652 71
of town patients,	16,666 58
<hr/>	
Total,	\$25,719 58
Liabilities,	8,636 75
<hr/>	
Balance,	\$17,082 83
Purchased supplies on hand estimated to have cost,	\$9,445 00
Products of farm on hand,	9,771 46
Total working surplus,	36,299 29

There was expended \$30,798.24 within the year for extraordinary and necessary repairs.

Of the appropriation made by the Legislature of 1894, \$21,583.07 was expended. A total of \$52,381.31 was expended within the year for improvements and repairs. The sum of all appropriations made by the State for construction, repairs and improvements of the hospital, from the passage of the act in 1854 authorizing its erection to October, 1895, is \$576,775.73.

ACKNOWLEDGMENTS.

Many contributions of reading matter have been received. Mrs. D. D. Gorham, Mrs. Butler, Mrs. Woodworth, the students of Smith College, Mr. S. E. Bridgeman, Miss Florence Austin may be specially mentioned as entitled to thanks. The clergymen of the vicinity have always been ready to officiate at the Sunday service and at funerals. Mr. Frank's orchestra have furnished music for the dances. Many others in various ways have contributed to the comfort of the people in the house. Very few changes have taken place among the employees, a fact which contributes much to the welfare of the hospital.

To those who have been associated with me in the work of the past year commendation and praise are almost universally due. To your Board I would express my thanks for your hearty support and continued confidence.

EDWARD B. NIMS.

DIETARY OF THE NORTHAMPTON LUNATIC HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about two hundred persons, and the second to those of somewhat over three hundred.]

BILL OF FARE No. 1.

BREAKFAST.

- Monday.* — Tea, coffee, broiled beefsteak, potatoes, warm rolls ("biscuit"), bread and butter.
- Tuesday.* — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.
- Wednesday.* — Tea, coffee, broiled beefsteak, potatoes and warm brown (rye and Indian) bread.
- Thursday.* — Tea, coffee, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.
- Saturday.* — Tea, coffee, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, cold corned beef, potatoes, warm rolls, bread, butter and fried Indian corn pudding.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable, bread, butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal, † potatoes and one other vegetable, bread, butter and baked Indian pudding.
- Wednesday.* — Either fried or baked fresh fish or boiled mutton, potatoes and one other vegetable, bread, butter and berry or apple pudding, with sauce.‡
- Thursday.* — Vegetable soup, corned beef, potatoes and one other vegetable, bread, butter and boiled suet pudding with syrup.

* Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

† Substituted in winter by fresh pork ribs, roasted.

‡ In spring, maple syrup is used as sauce for puddings.

Friday. — Either boiled or roasted mutton* or stewed or roasted veal, potatoes and one other vegetable, bread, butter and tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable, pickles, bread, butter and baked bread pudding.

Sunday. — Cold corned beef, potatoes, warmed baked beans, pickles, bread, butter and pies, the kind varying with the season.

SUPPER.

Monday. — Tea, bread, warm corn cake, butter, hard gingerbread and a relish.†

Tuesday. — Tea, white bread, graham bread, butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.

Wednesday. — Tea, bread, butter, cookies and ginger snaps and a relish.

Thursday. — Tea, bread, butter, pie (the kind varying with the season) and cheese.

Friday. — Tea, bread, butter, cake (the kind varying) and a relish.

Saturday. — Tea, bread, butter, doughnuts and cheese.

Sunday. — Tea, bread, butter, cookies and ginger snaps and blanc-mange or cornstarch.

Extra. — In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, cold corned beef, potatoes and bread.

Tuesday. — Coffee, cold roast beef, potatoes and bread.

Wednesday. — Coffee, meat stew, potatoes and warm rye and Indian corn brown bread.

Thursday. — Coffee, picked codfish cooked in milk, potatoes and bread.

Friday. — Coffee, cold corned beef or meat stew, potatoes and bread.

Saturday. — Coffee, hash, either of meat or fish, and bread.

Sunday. — Coffee, cold baked beans, potatoes and bread.

Butter is used in two halls, in the morning.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,‡ boiled hominy with molasses and bread.

* Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

† This term, used for the want of better, includes dried beef, berries, baked apples, apple sauce, and canned fruits, all of which are supplied, and each according to the season.

‡ Except two months in the spring.

Tuesday. — Vegetable soup, potatoes and one other vegetable,* baked Indian pudding † and bread.

Wednesday. — Boiled fresh fish with drawn-butter sauce, potatoes and one other vegetable,* boiled hasty pudding with molasses and bread.

Thursday. — Vegetable soup, potatoes, cabbage or some other vegetable, boiled rice with molasses ‡ and bread.

Friday. — Boiled codfish with drawn-butter sauce, potatoes, beets or some other vegetable, boiled hasty pudding with molasses and bread.

Saturday. — Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday. — Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday. — Tea, bread and butter.

Tuesday. — Tea, bread, butter and soft gingerbread.

Wednesday. — Tea, bread, butter and some kind of relish.

Thursday. — Tea, bread and butter.

Friday. — Tea, bread, butter and soft gingerbread.

Saturday. — Tea, bread and butter.

Sunday. — Tea, bread and butter.

EXTRAS.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In four halls, sauce, of either fresh or dried apples, is furnished as often as three times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day, and either turkey or chicken on one other day in the year.

From four to five bushels of green sweet corn in the ear is consumed in its season, daily, with the exception of Sunday.

Tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horseradish as a condiment.

During eight months of the year, a barrel of apples is distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast, milk toast, toast with dropped egg and boiled eggs, for invalids and all who are not able to take the regular fare.

* Except two months in the spring.

† All baked puddings for the whole household are made with milk.

‡ Maple syrup is furnished, in place of molasses, three or four times in the spring.

* 2. — *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1894.												
October, .	12	7	19	2	8	10	2	1	3	252.32	253.58	505.9
November, .	6	6	12	7	4	11	1	—	1	253.8	254.5	508.3
December, .	9	5	14	3	—	3	3	1	4	256.35	257.967	514.32
1895.												
January, .	8	6	14	4	5	9	2	1	3	258.19	258.48	516.67
February, .	7	10	17	3	3	6	2	—	2	258.035	263.89	521.92
March, .	6	9	15	5	3	8	1	2	3	261.806	269.32	531.12
April, .	8	5	13	7	10	17	1	—	1	259.266	266.066	525.33
May, .	11	14	25	10	6	16	—	—	—	260.87	270.61	531.48
June, .	13	7	20	3	6	9	2	3	5	264.53	271.97	536.5
July, .	13	6	19	8	4	12	—	2	2	271.42	270.545	541.96
August, .	9	7	16	7	9	16	2	4	6	276.32	268.06	544.38
September, .	8	9	17	6	4	10	2	—	2	274.53	266.33	540.86
Total of cases, .	110	91	201	65	62	127	18	14	32	—	—	—
Total of persons, .	107	90	197	64	62	126	18	14	32	—	—	—
Daily averages, .	—	—	—	—	—	—	—	—	—	262.285	264.276	526.56

* For Table No. 1, see superintendent's report.

3. — Received on First and Subsequent Admissions.

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	91	78	169	—	—	—
Second,	12	7	19	3	4	7
Third,	4	2	6	3	—	3
Fourth,	1	2	3	—	—	—
Fifth,	1	2	3	2	3	5
Sixth,	1	—	1	5	—	5
Total of cases, . . .	110	91	201	13	7	20
Total of persons, . .	107	90	197	7	6	13

4. — Relations to Hospital of Persons admitted.

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane, . .	88	74	162
Former inmates of this hospital only, . .	16	12	28
of other hospitals only, . .	3	4	7
of this and other hospitals, . .	—	—	—
Total of persons,	107	90	197

5. — Residence of Persons admitted.

PLACES.	Males.	Females.	Totals.
Hampshire County,	13	16	29
Hampden County,	60	42	102
Berkshire County,	17	25	42
Franklin County,	16	6	22
Worcester County,	1	1	2
Totals,	107	90	197
Cities or towns,*	57	54	111
Country districts,	50	36	86
Totals,	107	90	197

* Containing not less than 10,000 inhabitants.

6. — *Nativity and Parentage of Persons admitted.*

PLACES OF NATIVITY.	PATIENTS.			PARENTS.					
				MALES.		FEMALES.		TOTALS.	
	Ma.	Fe.	Tot.	Fa.	Mo.	Fa.	Mo.	Fa.	Mo.
Maine,	1	—	1	—	—	—	—	—	—
New Hampshire, . . .	2	—	2	1	—	1	—	2	—
Vermont,	8	3	11	7	7	2	1	9	8
Massachusetts, . . .	37	33	70	22	23	12	18	34	41
Rhode Island, . . .	—	—	—	1	—	—	1	1	1
Connecticut,	3	1	4	2	1	4	2	6	3
New York,	5	8	13	4	4	6	5	10	9
New Jersey,	—	1	1	—	—	1	—	1	—
Pennsylvania, . . .	—	1	1	2	—	—	1	2	1
Ohio,	1	—	1	—	—	—	—	—	—
Virginia,	1	—	1	1	1	—	—	1	1
West Virginia, . . .	—	1	1	—	—	—	—	—	—
Washington, D. C., .	1	—	1	—	—	—	—	—	—
Alabama,	1	—	1	—	—	—	—	—	—
Canada,	5	5	10	8	8	6	6	14	14
Nova Scotia,	1	—	1	1	1	—	—	1	1
New Brunswick, . . .	—	1	1	—	—	—	—	—	—
Prince Edward's Island,	—	1	1	—	—	1	1	1	1
England,	5	4	9	5	4	7	5	12	9
Ireland,	19	23	42	29	33	38	36	67	69
Scotland,	1	1	2	3	2	1	3	4	5
France,	—	1	1	—	—	1	1	1	1
Azores,	—	—	—	—	—	—	1	—	1
Germany,	7	2	9	7	8	3	3	10	11
Hungary,	2	—	2	2	2	—	—	2	2
Austria,	1	1	2	—	—	1	1	1	1
Poland,	2	—	2	2	2	—	—	2	2
Belgium,	1	—	1	1	1	—	—	1	1
Switzerland,	—	1	1	—	—	1	1	1	1
Italy,	2	1	3	2	2	1	1	3	3
Norway,	—	—	—	—	—	1	1	1	1
Russia,	1	—	1	2	2	—	—	2	2
At sea,	—	1	1	—	—	—	—	—	—
Unknown,	—	—	—	5	6	3	2	8	8
Totals,	107	90	197	107	107	90	90	197	197

7. — Civil Condition of Persons admitted.

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.			TOTAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	50	29	79	36	34	70	5	15	20	—	—	—	91	78	169
Second,	6	1	7	4	3	7	—	2	2	—	—	—	10	6	16
Third,	3	1	4	—	—	—	—	1	1	—	—	—	3	2	5
Fourth,	1	1	2	—	—	—	—	1	1	—	—	—	1	2	3
Fifth,	—	—	—	1	2	3	—	—	—	—	—	—	1	2	3
Sixth,	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Totals,	61	32	93	41	39	80	5	19	24	—	—	—	107	90	197

8. — *Occupation of Persons admitted.*

MALES.			
Book-keeper,	1	Laborers,	30
Barbers,	3	Mason,	1
Baggage master,	1	Mill operatives,	11
Blacksmith,	1	Mechanics,	3
Brakeman,	1	Machinists,	2
Bridge builder,	1	Music teacher,	1
Butcher,	1	Overseers in mill,	1
Carpenters,	5	Plumber,	1
Clerks,	2	Pattern maker,	1
Cigar manufacturer,	1	Paper maker,	1
Druggist,	1	Quarryman,	1
Electrician,	1	Student,	1
Farmers,	9	Shoemakers,	2
Foundryman,	1	Sewing machine agent,	1
Grinder,	1	Sail maker,	1
Hostlers,	2	Stone cutter,	1
Hotel keeper,	1	Whip maker,	1
Insurance agent,	1	No occupation,	11
Iron clipper,	1	Totals,	107
Junk dealer,	1		

FEMALES.			
Domestics,	15	Paper maker,	1
Dress-maker,	1	Pastry cook,	1
Housekeepers,	7	Seamstress,	1
Mill operatives,	9	Teacher,	1
Nurses,	2	No occupation,	13

WIFE OF —			
Bookbinder,	1	Machinist,	1
Butcher,	1	Paper maker,	1
Brewer,	1	Quarryman,	1
Coal dealer,	1	Shoemaker,	1
Clerk,	2	Stone mason,	2
Farmer,	3	Stage driver,	1
Grocer,	1	Ticket agent,	1
Laborer,	14	Teamster,	1
Liveryman,	1	Upholsterer,	1
Moulder,	1	Totals,	90
Mill operative,	2		
Manufacturer,	1		

CAUSES.	PATIENTS ADMITTED.			INSANE.			HEREDITARY PREDISPOSITION.		
	INSANE.			PREVIOUS ATTACKS.					
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. — PHYSICAL : —									
Apoplexy, .	.	.	1	.	.	—	.	.	1
Adolescence, .	.	.	1	.	.	—	.	.	—
Change of life, .	.	.	3	.	.	—	.	.	—
Dissipation, .	.	.	1	.	.	—	.	.	—
Electric shock, .	.	.	1	.	.	—	.	.	—
Epilepsy, .	.	.	5	1	—	—	—	—	—
Heredity, .	.	.	16	3	—	—	—	—	—
Intemperance, .	.	.	36	8	—	—	—	—	14
Injury, .	.	.	5	—	—	—	—	—	6
Ill health, .	.	.	12	—	—	—	—	—	—
Inanition, .	.	.	1	—	—	—	—	—	—
Masturbation, .	.	.	13	—	—	—	—	—	—
Overwork, .	.	.	6	—	—	—	—	—	—
Old age, .	.	.	5	—	—	—	—	—	—
Opium habit, .	.	.	1	—	—	—	—	—	—
Puerperal, .	.	.	3	—	—	—	—	—	—
Syphilis, .	.	.	2	—	—	—	—	—	—
Senility, .	.	.	1	—	—	—	—	—	—
Surgical operation, .	.	.	1	—	—	—	—	—	—

9. — *Probable Causes of Disease in Persons admitted* — Concluded.

CAUSES.	PATIENTS ADMITTED.			PREVIOUS ATTACKS.			HEREDITARY PREDISPOSITION.		
	INSANE.			Males.	Females.	Totals.	Males.	Females.	Totals.
	Males.	Females.	Totals.						
2. — MENTAL: —									
Anxiety,	1	1	2	—	—	—	—	—	—
Business trouble,	1	2	3	—	—	—	—	—	—
Congenital,	2	1	3	1	—	1	1	—	1
Confinement in jail,	1	—	1	—	—	—	—	—	—
Domestic trouble,	1	3	4	—	1	1	—	1	1
Fright,	—	3	3	—	—	—	—	—	—
Grief,	1	1	2	—	1	1	—	—	—
Over study,	1	1	2	1	—	1	—	—	—
Religious excitement,	2	1	3	—	—	—	—	—	—
Trouble,	4	3	7	—	—	—	—	—	—
Unknown,	24	28	52	1	6	7	1	—	1
Totals,	107	90	197	15	12	27	15	12	27

11. — *Ages of Insane at First Attack, Admission and Death.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.						PERSONS DIED.					
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	-	1	1	-	-	-	-	-	-	-	-	-
15 years and less, . .	2	3	5	-	1	1	1	1	2	-	-	-
From 15 to 20 years, . .	11	1	12	9	1	10	-	2	2	-	-	-
20 to 25 years, . .	10	11	21	15	11	26	-	-	-	-	1	1
25 to 30 years, . .	7	8	15	7	9	16	2	1	3	2	-	2
30 to 35 years, . .	13	10	23	11	6	17	-	-	-	1	1	2
35 to 40 years, . .	7	6	13	8	9	17	3	1	4	3	-	3
40 to 50 years, . .	11	10	21	17	14	31	4	2	6	4	5	9
50 to 60 years, . .	6	12	18	11	10	21	1	2	3	2	2	4
60 to 70 years, . .	4	4	8	5	7	12	3	1	4	4	2	6
70 to 80 years, . .	3	1	4	3	5	8	1	2	3	2	2	4
Over 80 years,	2	1	3	2	1	3	-	-	-	-	1	1
Unknown,	12	6	18	-	-	-	3	2	5	-	-	-
Total of persons, . .	88	74	162	88	74	162	18	14	32	18	14	32
Mean ages,	30.48	33.6	31.91	38.39	41.27	39.08	45.06	43.83	44.51	56.38	52.28	54.59

12. — *Reported Duration of Disease before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	-	1	1	-	-	-	-	1	1
Under 1 month,	19	16	35	4	1	5	23	17	40
From 1 to 3 months, . . .	16	9	25	1	3	4	17	12	29
3 to 6 months, . . .	10	13	23	1	1	2	11	14	25
6 to 12 months, . . .	9	4	13	-	2	2	9	6	15
1 to 2 years,	7	6	13	-	1	1	7	7	14
2 to 5 years,	15	14	29	5	3	8	20	17	37
5 to 10 years,	1	4	5	1	2	3	2	6	8
10 to 20 years,	1	3	4	4	1	5	5	4	9
Over 20 years,	3	2	5	4	1	5	7	3	10
"Years,"	1	-	1	-	-	-	1	-	1
Unknown,	6	2	8	2	2	4	8	4	12
Total of cases,	88	74	162	22	17	39	110	91	201
Total of persons,	88	74	162	19	16	35	107	90	197
Average in years,	1.55	2.25	1.98	7.13	3.88	5.71	2.74	2.58	2.76

13.—Form of Mental Disease in Cases admitted or discharged, with Condition on Discharge.

FORM OF DISEASE.	CASES ADMITTED.			CASES DISCHARGED.						AGGREGATE.		
	Males.	Females.	Totals.	RECOVERED.		MUCH IMPROVED.		IMPROVED.		NOT IMPROVED.		Totals.
				Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
A.—Insane:—												
Epilepsy,	4	2	6	—	—	—	—	1	—	1	—	3
General paralysis,	4	—	4	—	—	—	—	2	—	3	—	3
Mania, acute,	32	20	52	11	18	7	8	2	1	4	20	42
Mania, chronic,	10	17	27	—	—	1	1	4	6	—	10	23
Mania, recurrent,	3	3	6	—	—	1	3	—	—	—	4	5
Mania, <i>apota</i> ,	1	—	1	—	—	1	—	—	—	—	—	2
Melancholia, acute,	20	21	41	3	8	4	3	2	4	2	20	32
Melancholia, chronic,	7	5	12	—	—	1	—	2	—	—	5	8
Dementia, primary,	1	1	2	—	—	—	—	—	—	—	—	—
Dementia, secondary,	7	10	17	—	—	—	—	1	—	—	—	—
Dementia, senile,	6	4	10	—	—	—	—	—	—	—	—	—
Dementia, organic,	—	—	—	—	—	—	—	—	—	—	—	—
Primary delusional insanity,	—	4	4	—	—	—	—	—	—	—	—	—
Toxic insanity,	10	3	13	3	6	1	—	2	2	—	3	11
Congenital mental deficiency,	5	1	6	—	—	—	—	1	—	—	—	1
Total of cases,	110	91	201	16	22	15	7	15	14	19	19	38
Total of persons,	107	90	197	16	22	15	7	15	14	18	19	37

14. — Discharges, classified by Admission and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	16	21	37	9	5	14	9	12	21	14	14	28	—	—	—	17	12	29	65	64	129
Second,	—	—	—	2	1	3	4	2	6	3	3	6	—	—	—	1	2	3	10	8	18
Third,	—	1	1	1	1	2	1	—	1	—	2	2	—	—	—	—	—	—	2	4	6
Fourth,	—	—	—	2	—	2	—	—	—	2	—	2	—	—	—	—	—	—	4	—	4
Fifth,	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Sixth,	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Total of cases,	16	22	38	15	7	22	15	14	29	19	19	38	—	—	—	18	14	32	83	76	159
Total of persons,	16	22	38	15	7	22	15	14	29	18	19	37	—	—	—	18	14	32	82	76	158

15. — *Causes of Death.*

CAUSES.	INSANE.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system : —						
Exhaustion of mania, acute,	1	—	1	1	—	1
melancholia, acute,	1	1	2	1	1	2
dementia, secondary,	1	—	1	1	—	1
senile,	2	—	2	2	—	2
Paresis,	3	—	3	3	—	3
Apoplexy,	1	3	4	1	3	4
Epilepsy,	2	—	2	2	—	2
Respiratory system : —						
Bronchitis, chronic,	1	—	1	1	—	1
Bronchitis, capillary,	—	2	2	—	2	2
Phthisis,	2	2	4	2	2	4
Circulatory : —						
Heart disease,	1	2	3	1	2	3
General : —						
Bright's disease,	1	—	1	1	—	1
Cancer,	1	—	1	1	—	1
Peritonitis,	1	—	1	1	—	1
Dysentery,	—	3	3	—	3	3
Old age,	—	1	1	—	1	1
Totals,	18	14	32	18	14	32

16.—Recoveries, classified by Duration of Disease and of Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A.—Insane:—												
Congenital,	10	11	21	—	—	—	—	—	—	—	—	—
Under 1 month,	2	1	3	8	6	14	5	3	8	1	—	1
From 1 to 3 months,	4	4	8	4	5	9	4	4	8	8	6	14
3 to 6 months,	—	—	—	3	8	11	6	9	15	3	5	8
6 to 12 months,	—	—	—	—	2	2	1	2	3	3	8	11
1 to 2 years,	—	2	2	1	1	2	1	3	4	1	2	3
2 to 5 years,	—	—	—	—	—	—	—	—	—	—	—	—
5 to 10 years,	—	—	—	—	—	—	—	—	—	—	—	—
10 to 20 years,	—	2	2	—	—	—	—	2	2	—	—	—
Unknown,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	16	22	38	16	22	38	16	22	38	16	22	38
Average of known cases (in months),	1.43	5.25	3.83	4.87	8.22	6.81	6.31	13.95	10.55	4.75	7.77	6.5

17. — Deaths, classified by Duration of Disease and Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Insane: —												
Congenital,	1	2	3	1	4	5	1	2	3	1	4	5
Under 1 month,	4	3	7	4	2	6	1	1	2	4	2	6
From 1 to 3 months,	1	3	4	1	1	2	3	3	6	4	4	8
3 to 6 months,	3	1	4	1	1	2	3	1	4	1	2	3
6 to 12 months,	2	3	5	3	4	7	2	2	4	3	3	6
1 to 2 years,	3	3	6	3	4	7	2	2	4	3	4	7
2 to 5 years,	1	2	3	3	—	3	4	4	8	3	—	3
5 to 10 years,	1	1	2	2	—	2	3	1	4	2	1	3
10 to 20 years,	—	1	1	—	—	—	—	—	2	—	—	—
Over 20 years,	1	1	2	—	—	—	—	1	2	—	—	—
Unknown,	2	—	2	—	—	—	2	—	2	—	—	—
Totals,	18	14	32	18	14	32	18	14	32	18	14	32
Average of known cases (in months), 25.55	51.28	38.1	44.33	47.37	41.42	44.33	42.94	64.71	52.46	19.22	12.57	16.62

18. — *Annual Admissions, etc.* — Concluded.

[illegible]

19. — Relapsed Cases admitted in Each Year and discharged in 1894-95.

YEARS ENDING SEPT. 30.	CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.												REMAINING SEPT. 30, 1895.								
	ADMITTED.			DISCHARGED AND DIED IN 1894-95.						DIED.			Males.			Females.			Totals.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1858,—2 months,	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1858-59,	5	—	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1859-60,	8	7	15	7	15	22	15	15	30	15	15	30	15	15	30	15	15	30	15	15	30
1860-61,	6	2	8	2	8	10	8	8	16	8	8	16	8	8	16	8	8	16	8	8	16
1861-62,	5	8	13	8	13	18	13	13	26	13	13	26	13	13	26	13	13	26	13	13	26
1862-63,	6	10	16	10	16	22	16	16	32	16	16	32	16	16	32	16	16	32	16	16	32
1863-64,	8	4	12	4	12	16	12	12	24	12	12	24	12	12	24	12	12	24	12	12	24
1864-65,	4	3	7	3	7	10	7	7	14	7	7	14	7	7	14	7	7	14	7	7	14
1865-66,	11	6	17	6	17	23	17	17	34	17	17	34	17	17	34	17	17	34	17	17	34
1866-67,	8	7	15	7	15	22	15	15	30	15	15	30	15	15	30	15	15	30	15	15	30
1867-68,	6	9	15	9	15	21	15	15	30	15	15	30	15	15	30	15	15	30	15	15	30
1868-69,	5	4	9	4	9	13	9	9	18	9	9	18	9	9	18	9	9	18	9	9	18
1869-70,	5	6	11	6	11	17	11	11	22	11	11	22	11	11	22	11	11	22	11	11	22
1870-71,	9	8	17	8	17	25	17	17	34	17	17	34	17	17	34	17	17	34	17	17	34
1871-72,	6	5	11	5	11	16	11	11	22	11	11	22	11	11	22	11	11	22	11	11	22
1872-73,	7	8	15	8	15	20	15	15	30	15	15	30	15	15	30	15	15	30	15	15	30
1873-74,	2	5	7	5	7	9	7	7	14	7	7	14	7	7	14	7	7	14	7	7	14
1874-75,	5	6	11	6	11	17	11	11	22	11	11	22	11	11	22	11	11	22	11	11	22
1875-76,	7	8	15	8	15	20	15	15	30	15	15	30	15	15	30	15	15	30	15	15	30
1876-77,	7	8	15	8	15	20	15	15	30	15	15	30	15	15	30	15	15	30	15	15	30

20. — Showing the Results of First Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Number of persons on first admissions,	—	—	—	2,416	2,298	4,714
Discharged recovered,	545	470	1,015	—	—	—
improved,	637	702	1,339	—	—	—
unimproved,	460	453	913	—	—	—
not insane,	23	13	36	—	—	—
Died,	546	460	1,006	—	—	—
Remaining in the hospital Sept. 30, 1895,	205	200	405	2,416	2,298	4,714

Showing the Results of Readmissions.

Readmitted,	—	—	—	531	516	1,047
Discharged recovered,	126	131	257	—	—	—
improved,	161	158	319	—	—	—
unimproved,	87	96	183	—	—	—
not insane,	2	2	4	—	—	—
Died,	85	58	143	—	—	—
Remaining in the hospital Sept. 30, 1895,	70	71	141	531	516	1,047

Showing the Results of Second Admissions.

Second admissions,	—	—	—	372	353	725
Discharged recovered,	90	73	163	—	—	—
improved,	98	109	207	—	—	—
unimproved,	66	70	136	—	—	—
not insane,	1	2	3	—	—	—
Died,	70	48	118	—	—	—
Remaining in the hospital Sept. 30, 1895,	47	51	98	372	353	725

Showing the Results of Third Admissions.

Third admissions,	—	—	—	95	81	176
Discharged recovered,	18	27	45	—	—	—
improved,	34	24	58	—	—	—
unimproved,	16	16	32	—	—	—
not insane,	1	—	1	—	—	—
Died,	12	7	19	—	—	—
Remaining in the hospital Sept. 30, 1895,	14	7	21	95	81	176

Showing the Results of Fourth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fourth admissions, . . .	—	—	—	28	38	66
Discharged recovered, . . .	9	8	17	—	—	—
improved, . . .	9	15	24	—	—	—
unimproved, . . .	4	4	8	—	—	—
Died, . . .	2	2	4	—	—	—
Remaining in the hospital Sept. 30, 1895, . . .	4	9	13	28	38	66

Showing the Results of Fifth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifth admissions, . . .	—	—	—	14	16	30
Discharged recovered, . . .	5	7	12	—	—	—
improved, . . .	6	4	10	—	—	—
unimproved, . . .	—	2	2	—	—	—
Died, . . .	1	—	1	—	—	—
Remaining in the hospital Sept. 30, 1895, . . .	2	3	5	14	16	30

Showing the Results of Sixth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Sixth admissions, . . .	—	—	—	8	10	18
Discharged recovered, . . .	2	5	7	—	—	—
improved, . . .	3	3	6	—	—	—
unimproved, . . .	2	2	4	—	—	—
Remaining in the hospital Sept. 30, 1895, . . .	1	—	1	8	10	18

Showing the Results of Seventh Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Seventh admissions, . . .	—	—	—	4	5	9
Discharged recovered, . . .	1	3	4	—	—	—
improved, . . .	3	—	3	—	—	—
unimproved, . . .	—	1	1	—	—	—
Died, . . .	—	1	1	4	5	9

Showing the Results of Eighth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Eighth admissions, . . .	—	—	—	3	3	6
Discharged recovered, . . .	1	2	3	—	—	—
improved, . . .	1	—	1	—	—	—
unimproved, . . .	—	1	1	—	—	—
Remaining in the hospital Sept. 30, 1895, . . .	1	—	1	3	3	6

Showing the Results of Ninth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Ninth admissions, . . .	—	—	—	1	2	3
Discharged recovered, . . .	—	1	1	—	—	—
improved, . . .	1	1	2	1	2	3

Showing the Results of Tenth Admissions.

Tenth admissions, . . .	—	—	—	1	1	2
Discharged recovered, . . .	—	1	1	—	—	—
improved, . . .	1	—	1	1	1	2

Showing the Results of Eleventh Admissions.

Eleventh admissions, . . .	—	—	—	1	1	2
Discharged recovered, . . .	—	1	1	—	—	—
improved, . . .	1	—	1	1	1	2

Showing the Results of Twelfth Admissions.

Twelfth admissions, . . .	—	—	—	1	1	2
Discharged recovered, . . .	—	1	1	—	—	—
improved, . . .	1	—	1	1	1	2

Showing the Results of Thirteenth Admissions.

Thirteenth admissions, . . .	—	—	—	1	1	2
Discharged recovered, . . .	—	1	1	—	—	—
improved, . . .	1	—	1	1	1	2

Showing the Results of Fourteenth Admissions.

Fourteenth admissions, . . .	—	—	—	1	1	2
Discharged recovered, . . .	—	1	1	—	—	—
improved, . . .	1	—	1	1	1	2

Showing the Results of Fifteenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteenth admissions, . . .	—	—	—	1	1	2
Discharged improved, . . .	—	1	1	—	—	—
Remaining in the hospital Sept. 30, 1895,	1	—	1	1	1	2

Showing the Results of Sixteenth Admissions.

Sixteenth admissions, . . .	—	—	—	—	1	1
Discharged improved, . . .	—	1	1	—	1	1

Showing the Results of Seventeenth Admissions.

Seventeenth admissions, . . .	—	—	—	—	1	1
Remaining in the hospital Sept. 30, 1895,	—	1	1	—	1	1

21. — Operations of the Hospital, from the Beginning, in Each Year.

ADMITTED.			DISCHARGED AND DIED.						NOT INSANE.		DIED.		Whole Number of Cases in the Year.	Number of Patients at end of the Year.	
			RECOVERED.			IMPROVED.									UNIMPROVED.
Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	
99	129	228	—	—	—	4	—	4	2	2	4	—	—	—	228
46	47	93	18	15	33	9	9	18	7	5	12	—	12	19	313
73	94	167	19	16	35	12	10	22	2	2	4	—	18	27	398
71	53	124	18	17	35	14	14	28	4	7	11	—	15	30	434
64	48	112	19	15	34	27	15	42	9	5	14	—	10	19	442
70	68	138	12	16	28	16	10	26	4	3	7	—	19	7	470
47	45	92	30	19	49	19	15	34	4	6	10	—	17	30	475
70	64	134	17	16	33	14	15	29	8	5	13	—	17	24	411
75	61	136	16	10	26	12	7	19	5	2	7	—	18	13	31
61	77	138	24	18	42	15	13	28	6	7	13	—	23	24	47
68	84	152	21	19	40	22	27	49	5	7	12	—	25	18	43
84	85	169	31	18	49	23	33	56	20	38	58	—	13	12	25
90	112	202	23	27	50	15	43	58	22	34	56	—	22	11	33
109	102	211	16	27	43	23	41	64	31	30	61	—	16	12	28
101	98	199	25	15	40	33	27	60	22	27	49	—	19	18	37
102	79	181	19	29	48	37	22	59	23	29	52	—	13	8	21
105	88	193	25	12	37	24	19	43	27	18	45	—	14	11	25
75	78	153	16	13	29	21	24	45	17	21	38	—	23	18	41
76	77	153	19	13	32	18	31	49	24	23	47	—	18	19	37
68	71	139	15	18	33	8	13	21	15	17	32	—	21	21	42

1877-78,	.	40	36	76	7	19	26	-	-	-	17	27	44	16	13	29	-	-	-	14	9	23	551	429
1878-79,	.	63	43	106	13	13	26	-	-	-	15	13	28	11	8	14	1	1	2	14	9	23	535	442
1879-80,	.	59	58	117	16	12	28	5	7	12	11	12	23	9	10	19	2	-	2	17	12	29	559	446
1880-81,	.	57	66	123	7	13	20	6	7	13	15	15	30	6	10	16	1	-	1	16	10	26	569	463
1881-82,	.	62	62	124	13	15	28	4	9	13	7	14	21	14	13	27	-	1	1	24	14	38	587	459
1882-83,	.	73	69	147	11	17	28	9	-	9	18	15	33	21	14	35	1	1	2	17	13	30	606	469
1883-84,	.	61	75	136	9	16	25	6	11	17	16	19	35	16	20	36	3	1	4	12	13	25	605	463
1884-85,	.	66	70	136	17	12	29	4	5	9	12	17	29	10	16	26	1	2	3	16	11	27	599	476
1885-86,	.	85	98	183	10	19	29	8	2	10	23	36	59	20	23	43	1	-	1	14	12	26	659	491
1886-87,	.	72	76	148	16	8	24	5	3	8	36	31	67	21	16	37	1	2	3	13	18	31	639	469
1887-88,	.	87	79	166	23	13	36	3	6	9	25	22	47	12	17	29	2	-	2	14	17	31	635	481
1888-89,	.	98	57	155	27	15	42	6	6	12	25	40	65	35	8	43	2	1	3	18	7	25	636	446
1889-90,	.	91	79	170	18	14	32	5	9	14	17	17	34	12	5	17	1	2	3	12	9	21	616	495
1890-91,	.	82	59	141	29	16	45	7	7	14	27	26	53	18	22	40	-	-	19	12	12	31	636	453
1891-92,	.	102	75	177	16	21	37	9	10	19	13	8	21	15	8	23	3	-	3	29	9	38	630	489
1892-93,	.	91	78	169	20	11	31	11	15	15	26	19	37	21	22	43	4	-	4	20	17	37	658	480
1893-94,	.	89	83	172	20	12	32	7	7	14	11	17	28	14	22	36	1	-	1	26	11	37	652	504
1894-95,	.	110	91	201	16	22	38	15	7	22	15	14	29	19	19	38	-	-	-	18	14	32	705	546
Totals,	.	2,947	2,814	5,761	671	601	1,272	110	111	221	688	749	1,437	547	549	1,096	25	15	40	631	518	1,149	-	-

22. — *Classified Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65,	225.10	48.16	69.83	343.25
1865-66,	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67,	261.96	49.46	89.75	401.17
1867-68,	262.65	47.92	103.06	413.63
1868-69,	248.52	54.98	101.46	404.96
1869-70,	236.19	65.04	107.23	408.46
1870-71,	234.10	77.07	118.38	429.55
1871-72,	226.96	89.57	112.27	428.80
1872-73,	248.02	99.23	90.00	437.25
1873-74,	284.48	102.88	82.06	469.42
1874-75,	274.35	128.34	72.46	475.15
1875-76,	259.19	146.02	68.94	474.15
1876-77,	254.84	161.58	60.02	476.44
1877-78,	211.90	175.71	54.75	442.36
1878-79,	200.34	182.29	54.23	436.86
1879-80,	197.03	198.01	54.46	450.50
1880-81,	180.82	214.15	57.19	452.15
1881-82,	166.84	238.25	55.52	461.61
1882-83,	161.62	247.63	57.58	466.83
1883-84,	155.10	251.23	56.06	462.39
1884-85,	154.44	261.58	59.82	475.84
1885-86,	140.23	270.52	63.61	474.36
1886-87,	122.78	289.38	66.00	478.16
1887-88,	112.17	294.01	64.01	470.19
1888-89,	104.67	303.01	61.31	468.99
1889-90,	96.86	311.17	62.07	470.10
<i>Daily Average.</i>				
1890-91,	90.71	297.78	68.51	457.00
1891-92,	85.64	309.42	74.03	469.09
1892-93,	75.83	338.72	65.71	480.26
1893-94,	83.50	339.83	70.68	494.11
1894-95,	80.87	376.02	69.67	526.56

23. — Supplies for the Several Departments for the Year 1894-95.

	Sheets.	Pillow Cases.	Bed Spreads.	Blankets.	Bed Ticks.	Pillow Ticks.	Towels.	Curtains.	Wash Bowls.	Ewers.	Chambers.	Mirrors.	Hair Brushes.	Combs.	Carpet Strips.	Plates.	Cups.	Saucers.	Tumbler.	Mugs.	Bowls.	Pitchers.	Knives.	Forks.	Vegetable Dishes.
<i>Men's Department.</i>																									
Upper 1st Hall,	22	16	1	8	1	1	18	1	1	1	2	1	1	2	2	6	30	36	18	1	6	3	1	6	2
2d Hall,	22	52	12	2	1	6	10	1	1	1	10	1	1	6	8	12	24	6	30	18	18	6	2	6	2
3d Hall,	44	4	12	1	6	1	20	12	1	1	11	1	1	1	1	18	18	6	2	18	6	6	2	6	2
Middle 1st Hall,	42	54	8	21	2	4	6	1	1	1	31	1	1	3	2	4	54	48	1	2	3	3	6	4	4
2d Hall,	60	60	8	18	4	4	6	1	1	1	33	1	1	3	2	18	24	24	1	1	3	6	4	6	4
3d Hall,	60	46	2	6	12	2	6	1	1	1	4	1	1	4	9	6	24	48	1	1	2	2	6	6	6
Lower 1st Hall,	14	26	6	6	12	2	1	4	1	1	21	1	1	4	9	6	24	6	1	1	3	3	2	2	1
2d Hall,	24	42	2	24	3	6	2	1	1	1	22	1	2	2	1	8	36	18	1	1	14	2	1	1	1
3d Hall,	40	28	1	24	3	6	2	1	1	1	22	1	2	2	1	8	36	18	1	1	14	2	1	1	1
<i>Women's Department.</i>																									
Upper 1st Hall,	3	39	8	3	1	1	54	1	2	4	1	1	1	1	1	24	36	60	36	1	12	5	1	1	2
2d Hall,	24	60	12	12	31	7	60	6	2	3	6	1	1	32	1	24	18	6	24	1	6	5	3	1	1
3d Hall,	168	24	2	12	6	4	36	1	1	1	36	1	1	20	1	24	36	24	24	1	42	8	6	1	1
Middle 1st Hall,	35	27	12	9	17	4	66	1	1	1	6	1	1	32	1	24	36	36	84	1	8	8	1	6	3
2d Hall,	48	24	1	21	6	6	66	1	1	1	42	1	1	46	1	24	48	24	48	1	36	3	1	1	1
3d Hall,	150	54	1	1	6	6	66	1	1	1	12	1	1	16	1	36	24	24	48	1	36	3	1	1	1
Lower 1st Hall,	3	31	2	2	6	6	66	1	1	1	40	1	1	30	1	12	24	24	12	1	74	5	1	1	1
2d Hall,	4	40	4	26	6	6	66	6	1	1	40	1	1	36	1	36	24	24	24	1	74	5	1	1	1
3d Hall,	72	48	1	12	1	6	114	1	1	1	48	1	2	42	1	36	12	24	12	1	72	1	1	1	1
Kitchen,	49	39	10	15	1	1	112	18	2	1	4	4	1	2	9	39	48	24	144	1	18	12	24	1	17
Rear,	22	4	1	1	1	1	36	2	1	1	1	1	1	2	3	210	48	24	2	1	6	7	4	1	2
Centre,	22	4	1	1	1	1	36	2	1	1	1	1	1	2	3	6	6	1	16	1	6	2	1	1	2
Aggregates,	908	718	78	165	138	64	792	54	13	14	340	10	10	280	44	529	450	438	500	18	396	94	60	28	28

23. — Supplies for the Several Departments for the Year 1894-95 — Concluded.

	Spoons.	Table Spreads.	Napkins.	Tin Plates.	Tin Cups.	Iron Spoons.	Dish Towels.	Rollers.	Wash Basins.	Brooms.	Soap, Pounds.	Sand Soap.	Whisks.	Dust Brushes.	Dust Pans.	Mops.	Pails.	Spittoons.	Blacking.	Shoe Brushes.	Spools Thread.	Papers Needles.	Papers Pins.	Clothes Bags.	Scrub Brushes.
<i>Men's Department.</i>																									
Upper 1st Hall,
2d Hall,
3d Hall,
Middle 1st Hall,
2d Hall,
3d Hall,
Lower 1st Hall,
2d Hall,
3d Hall,
<i>Women's Department.</i>																									
Upper 1st Hall,
2d Hall,
3d Hall,
Middle 1st Hall,
2d Hall,
3d Hall,
Lower 1st Hall,
2d Hall,
3d Hall,
Kitchen,
Rear,
Centre,
Aggregates,
	241	54	98	-	48	2	366	178	5	594	2,039	159	44	38	17	68	100	1	51	10	255	51	137	14	24

24. — *Days' Work by Patients.*

MONTHS.	FARM.	KITCHEN.			SEWING-ROOM.	LAUNDRY.		
	Men.	Men.	Women.	Totals.	Women.	Men.	Women.	Totals.
1894.								
October, . .	609	124	179	303	274	75	309	384
November, . .	548	120	180	300	226	69	281	350
December, . .	505	124	190	314	268	69	257	326
1895.								
January, . . .	533	124	190	314	290	74	318	392
February, . . .	476	112	172	284	249	66	307	373
March, . . .	522	124	182	306	289	76	338	414
April, . . .	555	120	182	302	287	67	336	403
May, . . .	646	124	237	361	246	69	357	426
June, . . .	640	120	195	315	252	68	339	407
July, . . .	679	124	204	328	289	75	374	449
August, . . .	699	124	147	271	291	73	358	431
September, . .	633	120	133	253	355	64	382	446
Totals, . . .	7,045	1,460	2,191	3,651	3,316	845	3,956	4,801

25. — *List of Articles made in the Sewing-room.*

Dresses,	243	Caps,	644
Skirts,	74	Underwaists,	5
Aprons,	235	Tablecloths,	50
Chemises,	183	Double sheets,	40
Drawers,	37	Night dresses,	12
Shirts,	388	Shirt waists,	11
Pillow cases,	616	Yards carpeting made,	40
Sheets,	919	Carpet strips hemmed,	162
Roller towels,	157	Spreads hemmed,	40
Dish towels,	947	Camisoles,	5
Mattress ticks,	158	Clothes bags,	18
Pillow ticks,	136	Suspenders, pairs,	66
Curtains,	48	Ox blankets,	2
Napkins,	226	Articles repaired,	21,863
Hats trimmed,	31		

26. — *Upholstery done in the Year.*

Hair mattresses made, new materials,	28
Hair mattresses made, new ticks,	138
Hair pillows made, new material,	46
Hair pillows made, new ticks,	57
Feather pillows made,	29

27. — *Trustees of the Northampton Lunatic Hospital.*

NAMES.	Residence.	When app'ted.	Service ended.	From What Cause.
Charles E. Forbes,* . . .	Northampton, . . .	1856	1857	Term expired.
Lucien C. Boynton,* . . .	Uxbridge, . . .	1856	1858	Term expired.
Eliphalet Trask,* . . .	Springfield,. . .	1856	1875	Term expired.
John C. Russell,* . . .	Great Barrington, . .	1856	1859	Resigned.
Horace Lyman, . . .	Greenfield, . . .	1856	1857	Removed.
Charles Smith,* . . .	Northampton, . . .	1857	1860	Resigned.
Luther V. Bell,* . . .	Somerville,. . .	1857	1859	Resigned.
Zebina L. Raymond,* . .	Greenfield, . . .	1858	1859	Resigned.
Franklin Ripley,* . . .	Greenfield, . . .	1859	1860	Died in office.
Edward Dickinson,* . . .	Amherst, . . .	1859	1864	Resigned.
Walter Laflin,* . . .	Pittsfield, . . .	1859	1866	Term expired.
Silas M. Smith,* . . .	Northampton, . . .	1860	1863	Term expired.
Charles Allen, . . .	Greenfield, . . .	1860	1861	Resigned.
Alfred R. Field,* . . .	Greenfield, . . .	1861	1864	Resigned.
Edward Hitchcock, . . .	Amherst, . . .	1863	1879	Resigned.
Silas M. Smith,* . . .	Northampton, . . .	1864	1887	Died in office.
Edmund H. Sawyer,* . .	Easthampton, . . .	1864	1879	Died in office.
Henry L. Sabin,* . . .	Williamstown, . . .	1866	1876	Term expired.
Adams C. Deane, . . .	Greenfield, . . .	1875	—	Still in office.
Henry W. Taft, . . .	Pittsfield, . . .	1876	1893	Term expired.
William M. Gaylord, . .	Northampton, . . .	1879	1883	Term expired.
Lyman D. James, . . .	Williamsburg, . . .	1879	—	Still in office.
Christopher Merritt, . .	Springfield,. . .	1883	1888	Term expired.
Sarah A. Woodworth, . .	Chicopee, . . .	1884	—	Still in office.
Sarah M. Butler, . . .	Northampton, . . .	1884	—	Still in office.
John L. Otis,* . . .	Florence, . . .	1887	1890	Resigned.
N. A. Leonard,* . . .	Springfield,. . .	1888	1890	Died in office.
Alvan Barrus, . . .	Goshen, . . .	1890	—	Still in office.
Elisha Morgan, . . .	Springfield,. . .	1890	—	Still in office.
William D. MacInnes, . .	Pittsfield, . . .	1893	—	Still in office.

* Deceased.

28. — *Officers and Employees.*

[Time employed Oct. 1, 1895.]

NAMES.	Years.	Months.	Days.
Edward B. Nims, M.D., superintendent,	26	9	16
John A. Houston, M.D., assistant physician,	6	—	7
Charles M. Holmes, M.D., assistant physician,	6	2	21
Jane R. Baker, M.D., female physician,	3	1	28
Lewis F. Babbitt, clerk,	3	11	19
S. Emma Hines, matron,	—	3	4
John Mercier, farmer,	28	2	—
Walter I. Dodge, engineer,	—	5	—
Robert H. Gallivan, supervisor,	22	5	13
Lucy A. Gilbert, supervisor,	28	7	20
Martin S. Sawyer, steward,	4	—	26
George B. Walker, baker,	10	3	22
Bradamante Fairbanks, seamstress,	3	8	3
Chloe L. Marks, laundress,	3	4	—
Charles E. Marshall, laundryman,	1	8	16
Inez M. Field, assistant clerk,	5	9	3
Elizabeth E. Bycraft, assistant supervisor,	4	—	1
Ernest J. Hines, assistant steward,	1	2	6
Mattie Jones, assistant seamstress,	3	10	16
Matilda Taylor, assistant laundress,	1	8	9
Hattie LaPointe, assistant laundress,	1	3	5
Harriet Powers, assistant laundress,	—	4	—
Henry W. Estey, attendant,	13	6	7
Martin V. B. Vance, attendant,	3	8	7
Samuel L. Williams, attendant,	3	3	4
Fred P. Wilson, attendant,	2	5	6
Edward R. Cover, attendant,	1	10	28
Hugh McGee, attendant,	1	11	23
Herbert R. Sears, attendant,	1	11	16
Edward Ransom, attendant,	1	1	2
George LaPointe, attendant,	1	5	—
William Day, attendant,	2	—	24
Mitchell J. Darling, attendant,	—	11	8
Enos H. Brown, attendant,	—	6	25
Lucius G. Wright, attendant,	—	5	28
Walter Beers, attendant,	—	5	26
Alpheus D. King,	—	—	—
James Carey, attendant,	—	4	23
Chalon B. Mead, attendant,	—	4	17
John Parmalee, attendant,	—	4	10
John Canary, attendant,	—	3	—
Jeanette McLean, attendant,	12	1	3
Jennie E. O'Brien, attendant,	3	3	29
Mary A. Dobson, attendant,	3	1	9
Marie A. Dutcher, attendant,	2	5	10
Katie Larkin, attendant,	2	—	12
Bridget Carey, attendant,	2	—	6
Kate E. Frawley, attendant,	1	11	8
Bessie Whalen, attendant,	1	11	25
Alice A. O'Brien, attendant,	1	7	25

28. — *Officers and Employees — Concluded.*

NAMES.	Years.	Months.	Days.
Mary J. Darling, attendant,	1	1	3
Hattie S. Potter, attendant,	1	4	10
Inez D. Clark, attendant,	1	3	13
Ina A. Brown, attendant,	1	—	7
Cora E. Squiers, attendant,	—	11	27
Amelia Clark, attendant,	—	6	24
Effie Murray, attendant,	—	5	22
Mattie M. Carey, attendant,	—	5	15
Ida James, attendant,	—	10	18
Rachel Carey, attendant,	—	3	3
Lucy N. Brown, attendant,	—	5	1
Minnie Law, attendant,	—	1	4
Cora Gray, night watch,	—	11	—
Bridget Frawley, night watch,	1	—	21
Ellen Hallinan, night watch,	—	—	—
Susan Warren, centre,	1	6	25
Cornelia Warren, centre,	—	6	1
Ellen Mead, centre,	—	—	7
Annie Hayes, farmers' dining-room,	—	1	25
Mary Mangan, cook,	6	9	6
Bridget Mangan, assistant cook,	2	4	3
Cassie Fitzsimmons, assistant cook,	1	11	8
Josephine Carey, assistant cook,	—	6	—
Mary Cashin, assistant cook,	—	5	26
Hannah Burns, assistant cook,	—	2	27
Lizzie Cahill, assistant cook,	—	2	27
Nora Burns, rear,	1	3	11
George Franklin, assistant engineer,	—	10	10
Hugh E. Adams, watchman,	—	11	9
Nicholas Reil, assistant gardener,	19	7	1
Sifroi Belleville, carpenter,	25	5	7
Walter Tower, carpenter,	17	10	—
Alfred Parenteau painter,	30	1	18
David Mercier, coachman,	18	7	14
Benjamin Rockwell, assistant farmer,	28	4	—
Henry Wilson, assistant farmer,	16	5	8
James Madden, assistant farmer,	20	—	29
Patrick Egan, assistant farmer,	3	1	8
Thomas Donahoe, assistant farmer,	2	11	—
Xavier Dion, assistant farmer,	2	3	17
Charles H. Egleston, assistant farmer,	1	7	16
George Bennett, assistant farmer,	1	5	14
Myron E. Crossman, assistant farmer,	—	6	26
Jerry McKenna, assistant baker,	1	5	15
John Bourke, car boy,	2	4	14
George W. Thorniley, florist,	2	5	12



PUBLIC DOCUMENT

. . . . No. 21.

FORTY-FIRST ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1896.

BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1897.



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ROY 30 1921

STATE OF MASSACHUSETTS

Office of the Secretary

RECEIVED : 1921
TO
OF THE SECRETARY

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OFFICERS

OF THE

NORTHAMPTON LUNATIC HOSPITAL.

TRUSTEES.

Mrs. SARAH A. WOODWORTH,	CHICOPEE.
Mrs. SARAH M. BUTLER,	NORTHAMPTON.
ADAMS C. DEANE, M.D.,	GREENFIELD.
WILLIAM D. MacINNES, Esq.,	PITTSFIELD.
LYMAN D. JAMES, Esq.,	WILLIAMSBURG.
HON. ELISHA MORGAN,	SPRINGFIELD.
HON. ALVAN BARRUS,	GOSHEN.

RESIDENT OFFICERS.

EDWARD B. NIMS, M.D.,	<i>Superintendent</i>
JOHN A. HOUSTON, M.D.,	<i>Assistant Physician.</i>
CHARLES M. HOLMES, M.D.,	<i>Assistant Physician.</i>
JANE R. BAKER, M.D.,	<i>Female Physician.</i>
LEWIS F. BABBITT,	<i>Clerk.</i>
S. EMMA HINES,	<i>Matron.</i>
JOHN MERCIER,	<i>Farmer.</i>
WALTER I. DODGE,	<i>Engineer.</i>

TREASURER.

EDWARD B. NIMS,	NORTHAMPTON.
---------------------------	--------------

Office at the Hospital.

SUBORDINATE OFFICERS.

ROBERT H. GALLIVAN,	<i>Male Supervisor.</i>
LUCY A. GILBERT,	<i>Female Supervisor.</i>
JEREMIAH McKENNA,	<i>Steward.</i>
BRADAMANTE FAIRBANKS,	<i>Seamstress.</i>
CHLOE L. MARKS,	<i>Laundress.</i>
GEORGE B. WALKER,	<i>Baker.</i>



Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The forty-first annual report of the trustees of the Northampton Lunatic Hospital is hereby presented for your consideration, it being the report for the year ending Sept. 30, 1896. It contains a brief statement of the changes in population, the results of treatment, the changes and improvements which have been made in the year past, and the financial condition of the hospital. The number of patients in the hospital at the beginning of the year Oct. 1, 1895, was 546,—275 men and 271 women. Two hundred and nine patients were admitted within the year,—95 women and 114 men. Ninety-seven men and 99 women were discharged, in all 196, including 46 deaths. Thirty-six patients were discharged as recovered, 14 as much improved, 39 as improved, 60 as unimproved, leaving 559 persons in the house at the end of the year,—292 men, 267 women. Fourteen persons were removed out of the State, 49 were transferred to other institutions and 90 returned to their homes.

The largest number of persons in the house on any one day was 583, the smallest 544. The daily average number for the year was 560.49. The increase in the daily average number of patients was 33.93. This is the natural increase of regular commitments from this district, and it is reasonable to suppose that there will be a similar increase in years to come. The hospital is now overcrowded. The hospitals in the eastern districts will undoubtedly be filled with patients from that part of

the State. Patients generally have friends here who desire to visit them and who often object to their being removed out of this district.

Transporting patients to and from other institutions involves considerable trouble and expense. It would seem desirable that provision should be made here for all the patients in the western district, and to do this additional buildings should be erected in the near future. This hospital has a farm, heating and lighting plant, water supply, kitchen, laundry and chapel large enough, with some small changes, for an institution containing a thousand patients. Building materials of all kinds are near at hand, and the average cost of such materials is less here than in other parts of the State. The necessary buildings could be provided at a very reasonable expense.

The improvements and changes in the male wing of the hospital, mention of which was made in the last year's report, have been carried on through the year, and will be completed this year. Additions have been built to each of the three sections, and iron staircases in each section, fire walls, new water-closets, bath-rooms and drying closets; new bays in each of the nine halls; one hundred and twenty-five large windows have been put in the bays, corridors and dining-rooms; new ceilings, floors and wood finishing throughout.

Other contemplated improvements in the central building will be made as rapidly as the funds of the hospital will allow.

The necessary current expenses of the institution are gradually increasing as the number of recent cases increases. More special attendance day and night is required; special diet, care and all the means used in hospital work.

The report of the treasurer gives the following:—

Cash assets Sept. 30, 1896,	\$28,328 98
Liabilities,	16,528 11
	<hr/>
Balance,	\$11,800 87

The amount of purchased supplies on hand is valued at \$10,429.62.

The products of the farm on hand are estimated to be worth \$9,524.

The amounts charged for the different classes of patients for the year are as follows : —

State patients,	\$13,662 30
Town patients,	68,935 89
Private patients,	19,459 70
Total,	<u>\$102,057 89</u>

The official staff of the hospital remains the same as last year, no change having occurred. It gives us pleasure to recognize officially the continued fidelity of the officers to their various trusts, and to commend them for their faithful work.

A. C. DEANE.

SARAH A. WOODWORTH.

SARAH M. BUTLER.

WILLIAM D. MACINNES.

L. D. JAMES.

ELISHA MORGAN.

ALVAN BARRUS.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1896.

Superintendent and physician,	per year, \$2,500 00
Assistant physician, first,	" 1,500 00
Assistant physician, second,	" 1,000 00
Female physician,	" 700 00
Treasurer,	" 300 00
Treasurer, for clerk hire and paid to clerk,	" 200 00
Clerk,	" 1,200 00
Matron,	" 400 00
Farmer,	" 700 00
Engineer, house rent and partial board,	" 1,000 00
Assistant clerk,	per month, 30 00
Supervisor (male),	" 50 00
Supervisor (female),	" 30 00
Assistant supervisor (female),	" 25 00
Seamstress,	" 25 00
Assistant seamstress,	" 18 00
Assistant seamstress,	" 16 00
Laundress,	" 18 00
Laundryman, without board,	" 60 00
Assistant laundresses, with partial board (2),	" 22 00
Assistant laundress,	" 14 00
Baker,	" 45 00
Assistant baker,	" 30 00
Steward,	" 50 00
Assistant steward,	" 35 00
Attendants (male, 14),	" 30 00
Attendants (male, 2),	" 25 00
Attendants (male, 2),	" 23 00
Attendants (male, 3),	" 21 00
Attendant (female),	" 22 00

Attendants (female, 7),	per month,	\$20 00
Attendant (female),	"	18 00
Attendants (female, 6),	"	16 00
Attendants (female, 7),	"	14 00
Housework, centre (female),	"	17 00
Housework, centre (female, 2),	"	16 00
Cook,	"	20 00
Assistant cook (female),	"	16 00
Assistant cooks (female, 2),	"	15 00
Assistant cooks (female, 3),	"	14 00
Farmer's dining-room (female),	"	16 00
Housework, rear building (female),	"	16 00
Watchman,	"	30 00
Carpenter,	per day,	2 25
Carpenter,	"	2 00
Painter,	per month,	50 00
Gardener,	"	30 00
Assistant engineer,	"	30 00
Fireman,	"	30 00
Coachman,	"	30 00
Car boy,	"	20 00
Florist, without board,	"	50 00
Farm hands (2),	"	30 00
Farm hands (4),	"	28 00
Farm hands (3),	"	25 00
Farm hand,	"	23 00

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1896.

Live stock on farm,	\$7,795 75
Products of farm on hand,	9,524 00
Carriages and agricultural tools,	3,075 00
Machinery and mechanical fixtures,	14,510 00
Beds and bedding in inmates' department,	12,350 00
Other furniture in inmates' department,	8,155 00
Personal property of State in superintendent's department,*	7,425 00
Ready-made clothing,	2,550 57
Dry goods,	1,242 34
Bedding,	701 70
Small wares,	350 26
Miscellaneous,	1,577 62
Provisions and groceries,	3,273 01
Drugs and medicines,	525 00
Fuel,	214 60
Library,	1,000 00
Paints and oils,	470 00
	<hr/>
	\$74,739 85

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing-room and other departments.

TREASURER'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

I hereby present my report, as treasurer of the hospital, for the fiscal year ending with the 30th of September, 1896. It contains, as usual, an appraisal of the property of the institution, an account of the receipts and the disbursements of money during the year, and the financial condition at its close.

ASSETS.

Four hundred and ninety-three acres of land,	\$53,000 00
Hospital building,	425,000 00
Farm-house, \$1,700; brick house, \$1,700,	3,400 00
Four dwellings,	2,000 00
Storehouse and shops,	20,000 00
Two barns,	4,000 00
Horse stable,	1,900 00
Lumber-house,	850 00
Pump-house,	650 00
Cart shed,	400 00
Piggery,	3,000 00
Fire-proofs for oils and paints,	500 00
Two ice-houses,	400 00
	<hr style="width: 20%; margin-left: 0;"/> \$515,100 00

PERSONAL ESTATE.

Stock and supplies on hand, as per inventory appended to the trustees' report,	\$74,739 85
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RECEIPTS.

Cash on hand Sept. 30, 1895,	\$508 78
Receipts from State treasurer,	14,058 25
from towns,	68,303 38
from individuals,	18,767 70
from sales,	1,719 62
from interest,	96 17
from loan,	5,000 00
	<hr style="width: 20%; margin-left: 0;"/> \$108,453 90

PAYMENTS.

1. Salaries, wages and labor,		\$38,520 17
2. Provisions and supplies:—		
Meats of all kinds,	\$5,454 35	
Fish of all kinds,	1,437 43	
Fruit and vegetables,	1,430 23	
Flour (750 barrels),	2,895 00	
Grain and meal for table,	258 30	
Tea, coffee and chocolate,	941 79	
Sugar and molasses,	2,298 89	
Grain and meal for stock,	3,452 11	
Butter and cheese,	4,733 09	
Salt and other groceries,	1,921 70	
All other provisions,	1,185 46	
		<hr/>
		26,008 35
3. Clothing,		4,679 84
4. Fuel and lights,		7,771 86
5. Medicine and medical supplies,		1,297 15
6. Furniture, beds and bedding,		3,801 73
7. Transportation and travelling expenses,		390 85
8. Ordinary construction and repairs,		2,163 05
9. Extraordinary construction and repairs,		13,837 65
1. Farm stock,	\$1,066 00	
2. Farm supplies,	1,717 40	
3. Water,	1,854 36	
4. Minor expenses,	2,510 00	
5. Contingencies,	987 44	
		<hr/>
		8,135 20
Total expenses,		<hr/>
		\$106,605 85

LIABILITIES.

Salaries and wages due Oct. 1, 1896,	\$4,708 36
Miscellaneous bills due,	11,819 75
	<hr/>
	\$16,528 11
Due institution for board Oct. 1, 1896:—	
From State,	\$3,248 40
towns,	17,548 93
individuals,	5,683 60
Due from the treasurer Sept. 30, 1896,	1,848 05
	<hr/>
	\$28,328 98

SUMMARY.

Total receipts,	\$108,453 90
Total payments,	106,605 85
	<hr/>
Cash on hand Sept. 30, 1896,	\$1,848 05

Total liabilities,	\$16,528 11
Total debts due the institution,	28,328 98
Total expenditures,	106,605 85
Deducting from the total expenditure,	\$106,605 85
The extraordinary expenses,	13,837 65
We have the current expenses,	<u>\$92,768 20</u>

Dividing \$92,768.20 by 560.49, the average number of patients,
 we have, as the annual cost of each patient, . . . \$165 51
 Making the average weekly cost of each patient, . . . 3 16

EDWARD B. NIMS,

Treasurer.

We have examined, as auditors, the accounts of the treasurer, and found a satisfactory voucher for every entry.

A. C. DEANE,

L. D. JAMES,

Auditors.

FINANCIAL STATEMENT.

Appropriation made by the Legislature of 1895 for improvements and repairs in the hospital,	\$50,000 00	
Amount of appropriation remaining Sept 30, 1895,	28,416 93	
Appropriation made by Legislature of 1896,	25,000 00	
		<u>\$53,416 93</u>
Drawn Nov. 22, 1895,	\$3,416 93	
March 14, 1896,	4,621 06	
May 16, 1896,	2,936 03	
July 13, 1896,	1,820 00	
Sept. 22, 1896,	620 73	
Drawn by Brown & Bailey on contract,	25,500 00	
		<u>38,914 75</u>
Balance,	\$14,502 18	

EDWARD B. NIMS,

Treasurer.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The report of the superintendent for the year 1895-96 is hereby presented, in connection with the forty-first annual report of the hospital.

1. — General Statistics of the Year.

	INSANE.			NOT INSANE.			AGGREGATE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1895, . . .	275	271	546	-	-	-	275	271	546
Admitted within the year,	114	95	209	-	-	-	114	95	209
Whole number of cases within the year, .	389	366	755	-	-	-	389	366	755
Discharged within the year,	97	98	195	-	1	1	97	99	196
Viz.: as recovered at time of leaving the hospital.	23	13	36	-	-	-	23	13	36
as much improved,	8	6	14	-	-	-	8	6	14
as improved,	19	20	39	-	-	-	19	20	39
as not improved,	19	41	60	-	-	-	19	41	60
as not insane,	-	-	-	-	1	1	-	1	1
Deaths,	28	18	46	-	-	-	28	18	46
Patients remaining Sept. 30, 1896, . . .	292	267	559	-	-	-	292	267	559
Viz.: supported as State patients, . . .	49	26	75	-	-	-	49	26	75
supported as town patients,	208	197	405	-	-	-	208	197	405
supported as private patients, . . .	35	44	79	-	-	-	35	44	79
Number of different persons within the year.	384	361	745	-	-	-	384	361	745
Persons admitted,	110	94	204	-	-	-	110	94	204
Persons recovered,	23	13	36	-	-	-	23	13	36
Daily average number of patients, . . .	-	-	-	-	-	-	287.396	273.096	560.49
Viz.: State,	-	-	-	-	-	-	49.330	32.240	81.57
town,	-	-	-	-	-	-	204.206	198.946	403.15
private,	-	-	-	-	-	-	33.860	41.910	75.77

There were in the hospital at the beginning of the year 546 patients, — 275 men, 271 women; 114 men and 95 women, 209 in all, were admitted within the year. One hundred and ninety-six cases were discharged, — 97 men and 99 women, — including 46 deaths, leaving 559 persons in the house at the end of the year, — 292 men and 267 women. The daily average number in the hospital was 560.49, which is 33.93 larger than it was last year. The largest number of patients on any one day was 583, the smallest 544. The total number of cases under treatment was 745, — men 384, women 361. Of the patients discharged 90 returned to their homes, 29 were removed to the Medfield Asylum, 1 to Westborough Hospital, 14 were removed out of the State, 6 to the criminal asylum at Bridgewater and 13 to almshouses. The increase in the number in the house is 13. One man and 4 women were discharged and readmitted, 4 men were admitted, discharged and readmitted, making 465 persons under treatment. The number of persons admitted was 204. The number of persons admitted for the first time was 168, second admissions 31, third 6, fourth 3 and fifth 1.

STATUS OF PATIENTS.

This hospital was established for the benefit of all classes and nationalities. The number of American born patients at the end of the year was 380, of foreign born 179. The number of Americans admitted within the year was 132, of foreigners 72.

A large proportion of the patients treated here are not natives of this State. Of the 204 patients admitted within the year 87 were born in Massachusetts. The number of State patients in the house at the beginning of the year was 77, town 396, private 73. Seventy-five State patients remained at the end of the year, 405 town and 79 private.

The following table gives the weekly average of the different classes of patients : —

	1894-95.			1895-96.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients,	44.53	35.05	80.03	49.29	30.35	79.64
Town patients,	186.92	188.26	375.18	204.18	201.86	406.04
Private patients,	30.96	39.46	70.47	32.12	42.03	74.15

RECOVERIES.

Thirty-six cases were discharged as recovered. The percentage of recovered on the number admitted was 17.22. The percentage on the whole number discharged was 18.46. The percentage of the whole number discharged as recovered, much improved and improved on the number admitted in the year was 44.58, on the number discharged 45. Of the 209 cases admitted within the year, in 61 cases only is there any reasonable prospect of cure, and many of these are very doubtful. Many will improve and be as well as they have been for years. There is no royal road to the cure of insanity; a large part of the treatment must be physical. It is somewhat remarkable how closely connected physical and mental improvement are. For some years past a record of the weight of patients at the time of admission and discharge has been kept in this hospital. This record was kept in 425 cases which have left the hospital. One hundred and sixty-seven of these were discharged as recovered; 142 of these gained in weight while in the hospital, 16 remained stationary and 9 lost. The average gain of the 167 was $11\frac{3.9}{16.7}$ pounds, the average time of residence was $41\frac{6.0}{16.7}$ months. The largest gain recorded was 56 pounds. The 9 who lost were cases that recovered in a short time and were gaining when they left. Sixty-two cases were discharged as much improved. The average gain in weight was $13\frac{1.1}{6.2}$ pounds, the average residence was $8\frac{3.2}{6.2}$ months. Ninety-one were discharged as improved. The average gain was $9\frac{1.1}{9.1}$ pounds, the average residence was $9\frac{1.1}{9.1}$ months. One hundred and five were discharged as unimproved. The average gain was $\frac{5.2}{10.5}$ pound, the average residence $11\frac{8.8}{10.5}$ months. It will be seen from these figures that the gain in weight corresponded closely with the mental improvement, taking into account the period of residence. It does not follow that mental improvement always accompanies gain in weight. On the other hand an increase in weight and physical vigor generally accompanies mental improvement.

DEATHS.

Forty-six deaths occurred within the year, in most cases from chronic causes. A large number of very feeble cases have been admitted. Five deaths occurred within a week of admission

and several others within a short time. Consumption was the cause of death in 11 cases, enteritis and Bright's disease in 3 cases. Two persons each died from the following diseases: exhaustion of senile dementia, chronic brain disease, organic brain disease, apoplexy, paresis, paralysis, epilepsy, heart disease and cancer; and one each from exhaustion of acute mania, exhaustion of organic dementia, tetanus, erysipelas, uræmia, intestinal obstruction and pelvic abscess. Four persons died of old age, no disease being apparent. The percentage of deaths on the whole number under treatment was 6.09, on the daily average 8.27. In 32 of the deaths the disease existed when the patient was admitted to the hospital. In many others the disease was the direct result of enfeebled conditions which existed at the time of admission.

Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1896.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Average No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Average No. of Patients.
			Men.	Women.	Totals.		
1858-59, . .	313	229.55	7	12	19	6.07	8.27
1859-60, . .	398	255.96	9	18	27	6.78	10.54
1860-61, . .	434	314.26	15	15	30	6.91	9.54
1861-62, . .	442	313.80	9	10	19	4.29	6.05
1862-63, . .	470	355.28	19	7	26	5.53	7.31
1863-64, . .	475	357.63	17	30	47	9.89	13.14
1864-65, . .	469	342.40	17	24	41	8.76	11.97
1865-66, . .	488	376.35	18	13	31	6.35	8.23
1866-67, . .	543	401.03	23	24	47	8.65	11.71
1867-68, . .	565	413.41	25	17	43	7.61	10.40
1868-69, . .	590	405.10	13	12	25	4.23	6.17
1869-70, . .	604	408.83	22	11	33	5.46	8.07
1870-71, . .	616	421.90	16	12	28	4.54	6.64
1871-72, . .	619	428.72	19	18	37	5.97	8.63
1872-73, . .	614	437.23	13	8	21	3.42	4.80
1873-74, . .	626	469.54	14	11	25	3.99	5.32
1874-75, . .	629	475.35	23	18	41	6.52	8.62
1875-76, . .	629	474.21	18	19	37	5.88	7.80
1876-77, . .	603	476.16	21	21	42	6.96	8.82
1877-78, . .	551	442.43	14	9	23	4.17	5.19
1878-79, . .	535	436.73	14	9	23	4.29	5.27
1879-80, . .	559	450.51	17	12	29	5.19	6.44
1880-81, . .	569	451.79	16	10	26	4.57	5.75
1881-82, . .	587	461.66	24	14	38	6.47	8.23
1882-83, . .	606	466.76	17	13	30	4.95	6.42
1883-84, . .	605	463.05	12	13	25	4.13	5.39
1884-85, . .	599	475.94	16	11	27	4.51	5.67
1885-86, . .	659	474.40	14	12	26	3.94	5.48

Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1896 —
Concluded.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Average No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Average No. of Patients.
			Men.	Women.	Totals.		
1886-87, . .	639	478.55	13	18	31	4.85	6.47
1887-88, . .	635	470.25	14	17	31	4.88	6.59
1888-89, . .	636	469.10	18	7	25	3.93	5.32
1889-90, . .	616	470.50	12	9	21	3.40	4.46
1890-91, . .	636	457.00	19	12	31	4.87	6.78
1891-92, . .	630	469.09	29	9	38	6.03	8.10
1892-93, . .	658	480.26	20	17	37	5.62	7.70
1893-94, . .	652	494.11	26	11	37	5.67	7.48
1894-95, . .	705	526.56	18	14	32	4.53	6.07
1895-96, . .	755	560.49	28	18	46	6.09	8.27

WORSHIP AND ENTERTAINMENT.

The services on Sunday afternoons and the assemblies in week-day evenings have been continued regularly through the year. The new, commodious and beautiful chapel has contributed to the successful conduct of these exercises. The new organ also has been a source of pleasure to all. The average attendance on Sunday was 346 persons. The largest number on any one day was 384. For the past twenty-seven years, since I have been connected with this hospital, these exercises have been maintained regularly. On every Sunday afternoon, without omission, religious services have been held by some clergyman. The average number of assemblies for that period is 308 each year. It is with special pleasure that I look back over that time and bear witness to the good results which have followed these exercises. The assembling together in an orderly manner is an excellent means of discipline. Many persons will come there and sit quietly who are restless and talkative in the halls. It is a means of education. Various subjects are presented. The attention is drawn to them and the perceptions are stimulated. The discussions and observations upon the sermons and readings show that they are often well comprehended. Patients whose minds have long been clouded and who are struggling back to a more natural condition find help

there. Others whose thoughts are upon themselves are diverted and find relief in new subjects of thought. The education of the insane is a subject which needs more attention.

Exercises in Chapel.

1. ON THE SABBATH:—

Divine worship, 52 days.

2. ON SECULAR EVENINGS:—

(a) *Readings and Recitations, opened and closed with Music:—*

The Bible and selections of prose,	3 days.
The Bible and selections of poetry,	3 days.
The Bible and selections of poetry and prose,	36 days.
Miscellaneous selections of prose,	79 days.
Miscellaneous selections of poetry and prose,	8 days.
Miscellaneous selections of poetry,	2 days.

(b) *Other Entertainments:—*

Concerts,	4 days.
Pictures shown with stereopticon,	7 days.
Ventriloquism,	1 day.
Sleight of hand,	1 day.

(c) *Social Assemblies:—*

Reception,	1 day.
Quadrille parties,	23 days.
No assembly,	146 days.
	366 days.

FARM.

The season has been favorable for the farm, with the exception of a drought in the spring months, which lessened the crop of hay. The other crops are abundant and good. A large supply of vegetables, apples and milk have been brought in for use in the house. The quantity and good quality of the farm products are a great convenience to the hospital, and a large source of income.

The farm is in an excellent state of cultivation and requires much less expenditure to keep it in good condition than formerly. A considerable number of patients is employed on the farm at some sort of labor, with advantage both to themselves and to the hospital. Thirty-nine thousand five hundred and sixty gallons of milk were produced on the farm within the year, or 432 quarts per day. One-third of this amount is reckoned in the table of products, the other two-thirds being allowed for the cost of the animals and the food they consume.

The stock on the farm Sept. 30, 1896, was 3 bulls, 7 oxen, 59 cows, 18 heifers, 2 steers, 9 calves, 13 horses, 250 swine and 175 poultry.

The annexed table gives the annual product of hay :—

1864, estimated, . . .	40 tons.	1881, weighed, . . .	213 tons.
1865, " . . .	62 "	1882, " . . .	170 "
1866, " . . .	42 "	1883, " . . .	197 "
1867, weighed, . . .	82 "	1884, " . . .	174 "
1868, " . . .	86 "	1885, " . . .	251 "
1869, " . . .	91 "	1886, " . . .	269 "
1870, " . . .	74 "	1887, " . . .	302 "
1871, " . . .	75 "	1888, " . . .	305 "
1872, " . . .	91 "	1889, " . . .	331 "
1873, " . . .	84 "	1890, " . . .	336 "
1874, " . . .	120 "	1891, " . . .	295 "
1875, " . . .	100 "	1892, " . . .	315 "
1876, " . . .	111 "	1893, " . . .	262 "
1877, " . . .	154 "	1894, " . . .	289 "
1878, " . . .	179 "	1895, " . . .	364 "
1879, " . . .	144 "	1896, " . . .	328 $\frac{1}{4}$ "
1880, " . . .	154 "		

The annexed table gives the annual product of pork :—

1865,	6,265 pounds.	1881,	15,610 pounds.
1866,	5,443 "	1882,	14,414 "
1867,	7,416 "	1883,	15,612 "
1868,	7,791 "	1884,	10,192*
1869,	8,469 "	1885,	17,544 "
1870,	7,447 "	1886,	21,503 "
1871,	7,863 "	1887,	26,331 "
1872,	11,366 "	1888,	18,465 "
1873,	10,511 "	1889,	19,227 "
1874,	12,024 "	1890,	25,189 "
1875,	12,693 "	1891,	32,621 "
1876,	12,467 "	1892,	31,074 "
1877,	13,605 "	1893,	23,505 "
1878,	14,451 "	1894,	21,873 "
1879,	13,569 "	1895,	15,718*
1880,	14,729 "	1896,	31,163 "

List of Farm Products in 1896.

Hay (first growth), 226 $\frac{1}{4}$ tons, .	\$3,393 75	Beans, 212 bushels, . . .	\$212 00
Hay (after growth), 95 tons, .	1,425 00	Potatoes, 2,648 bushels, .	1,324 00
Hay (2d quality), 7 tons, .	49 00	Potatoes, 300 bushels, small, .	30 00
Corn fodder, 26 tons, . . .	130 00	Carrots, 397 $\frac{1}{2}$ bushels, . . .	159 00
Ensilage, 125 tons, . . .	437 00	Beets, 221 $\frac{1}{2}$ bushels, . . .	110 75
Straw, 7 tons,	99 80	Onions, 301 bushels, . . .	135 45
Corn, 610 bushels,	183 00	Turnips, 639 bushels, . . .	191 70
Broom brush, 900 pounds, .	45 00	Parsnips, 65 bushels, . . .	39 00
Broom seed, 55 bushels, . .	22 00	Sugar beets, 630 bushels, . .	126 00
Rye, 62 bushels,	27 90	Beans (string), 46 $\frac{1}{2}$ bushels, .	46 50
Oats, 200 bushels,	56 00	Sweet corn, 300 bushels, . .	150 00

* Quantity diminished by disease.

List of Farm Products in 1896 — Concluded.

Pease, 173½ bushels, . . .	\$173 50	Currants, 7½ bushels, . . .	\$22 50
Cucumbers, 110 bushels, . . .	55 00	Milk, 13,186 gallons, . . .	2,637 33
Squash, summer, 117 bushels, . . .	58 50	Eggs, 529 dozen, . . .	134 73
Squash, winter, 5 tons, . . .	100 00	Beef, 4,949 pounds, . . .	312 06
Swiss chard, 97½ bushels, . . .	97 50	Veal, 1,127 pounds, . . .	112 75
Lettuce, 114 bushels, . . .	114 00	Pork, 31,163 pounds, . . .	1,643 91
Tomatoes, 213 bushels, . . .	106 50	Pigs (roast), 10, . . .	17 00
Egg plant, 1 dozen, . . .	96	Pigs sold, 268, . . .	749 45
Asparagus, 62 bushels, . . .	186 00	Chickens, 1,170 pounds, . . .	234 00
Pie plant, 64½ bushels, . . .	64 50	Young calves sold, 13, . . .	84 00
Spinach, 54 bushels, . . .	54 00	Cider, 40 barrels, . . .	60 00
Cabbage, 3,415 heads, . . .	136 00	Wood, 22 cords, . . .	53 00
Celery, 1,500 plants, . . .	37 50	Ice, 300 tons, . . .	300 00
Apples, 1,202 barrels, . . .	1,202 00	Posts, 65, . . .	13 00
Pears, 21½ bushels, . . .	10 75	Husks, 1½ tons, . . .	10 00
Grapes, 315 pounds, . . .	15 75	Lumber, 7 M. feet, . . .	98 00
Quinces, 7 bushels, . . .	5 25		
Watermelons, 8,635 pounds, . . .	86 35	Total, . . .	\$17,413 61
Musk melons, 3,497 pounds, . . .	34 97		

FINANCES.

The income of the hospital depends mainly on the products of the farm and the board bills of the patients.

The amount paid for board of State, town and city patients is \$3.25 per week. This sum covers all expenses, except as stated in chapter 87, section 45, of the Public Statutes, which provides that "No pauper shall be discharged from the State hospitals without suitable clothing, and the trustees may furnish the same at their discretion, together with such sums of money, not exceeding twenty dollars, as they may deem necessary. Such money and cost of clothing, the expense of pursuing such lunatics as may escape therefrom, and the burial of such as die in the hospital shall be reimbursed to the trustees by the places of legal settlement of city and town paupers, and by the Commonwealth in the case of State paupers."

The cost per week of each patient for the past year was \$3.16. The daily average of State patients for the past year was 81.57. The price of board for private patients is arranged at the time of admission with the friends. The daily average of private patients for the year was 75.77. The average price paid for all private patients who were in the hospital Sept. 30, 1896, was \$4.96 per week. Clothing and damages are not included in this sum.

Cash Assets on Hand Sept. 30, 1896.

Cash on hand,	\$1,848 05
Board of private patients due,	5,682 69
of State patients,	3,248 40
of town patients,	17,548 93
<hr/>	
Total,	\$28,328 98
Liabilities,	16,528 11
<hr/>	
Balance,	\$11,800 87
Purchased supplies on hand estimated to have cost,	10,429 62
Products of farm on hand,	9,524 00
<hr/>	
Total working assets,	\$31,754 49

The extraordinary and necessary repairs cost \$16,000.70. Of the appropriations made by the Legislature \$38,914.75 was expended.

The total sum expended for improvements and repairs within the year was \$54,915.45. The sum of all appropriations made by the State for construction, repairs and improvements in the hospital, from the passage of act in 1854, authorizing its erection, to October, 1896, is \$615,690.48.

ACKNOWLEDGMENTS.

The hospital has received during the year two copies of "New England Staaten Zeitung," one copy of the "Christian Register" and many contributions of miscellaneous reading matter. It is indebted to the various clergymen in the vicinity for services on the Sabbath and at funerals; to Dr. T. W. Meekins, who gave several stereopticon exhibitions; to various parties for several enjoyable concerts. Mr. Frank's orchestra furnished music for the dances.

The number of changes among the employees was larger than usual. The cause may be found mainly in the trying and difficult character of the work. The service has been in general efficient and satisfactory. I am especially indebted to my associates for their ready help, and to your Board for their appreciation and support.

EDWARD B. NIMS.

DIETARY OF THE NORTHAMPTON LUNATIC HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about two hundred persons, and the second to those of somewhat over three hundred.]

BILL OF FARE No. 1.

BREAKFAST.

- Monday.* — Tea, coffee, broiled beefsteak, potatoes, warm rolls ("biscuit"), bread and butter.
- Tuesday.* — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.
- Wednesday.* — Tea, coffee, broiled beefsteak, potatoes and warm brown (rye and Indian) bread.
- Thursday.* — Tea, coffee, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.
- Saturday.* — Tea, coffee, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, cold corned beef, potatoes, warm rolls, bread, butter and fried Indian corn pudding.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable, bread, butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal,† potatoes and one other vegetable, bread, butter and baked Indian pudding.
- Wednesday.* — Either fried or baked fresh fish or boiled mutton, potatoes and one other vegetable, bread, butter and berry or apple pudding, with sauce ‡
- Thursday.* — Vegetable soup, corned beef, potatoes and one other vegetable, bread, butter and boiled suet pudding with syrup.

* Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

† Substituted in winter by fresh pork ribs, roasted.

‡ In spring, maple syrup is used as sauce for puddings.

Friday. — Either boiled or roasted mutton* or stewed or roasted veal, potatoes and one other vegetable, bread, butter and tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable, pickles, bread, butter and baked bread pudding.

Sunday. — Cold corned beef, potatoes, warmed baked beans, pickles, bread, butter and pies, the kind varying with the season.

SUPPER.

Monday. — Tea, bread, warm corn cake, butter, hard gingerbread and a relish.†

Tuesday. — Tea, white bread, graham bread, butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.

Wednesday. — Tea, bread, butter, cookies and ginger snaps and a relish.

Thursday. — Tea, bread, butter, pie (the kind varying with the season) and cheese.

Friday. — Tea, bread, butter, cake (the kind varying) and a relish.

Saturday. — Tea, bread, butter, doughnuts and cheese.

Sunday. — Tea, bread, butter, cookies and ginger snaps and blanc-mange or corn starch.

Extra. — In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, cold corned beef, potatoes and bread.

Tuesday. — Coffee, cold roast beef, potatoes and bread.

Wednesday. — Coffee, meat stew, potatoes and warm rye and Indian corn brown bread.

Thursday. — Coffee, picked codfish cooked in milk, potatoes and bread.

Friday. — Coffee, cold corned beef or meat stew, potatoes and bread.

Saturday. — Coffee, hash, either of meat or fish, and bread.

Sunday. — Coffee, cold baked beans, potatoes and bread.

Butter is used in two halls in the morning.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,‡ boiled hominy with molasses and bread.

* Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

† This term, used for the want of better, includes dried beef, berries, baked apples, apple sauce and canned fruits, all of which are supplied, and each according to the season.

‡ Except two months in the spring.

Tuesday. — Vegetable soup, potatoes and one other vegetable,* baked Indian pudding † and bread.

Wednesday. — Boiled fresh fish with drawn-butter sauce, potatoes and one other vegetable,* boiled hasty pudding with molasses and bread.

Thursday — Vegetable soup, potatoes, cabbage or some other vegetable, boiled rice with molasses ‡ and bread.

Friday. — Boiled codfish with drawn-butter sauce, potatoes, beets or some other vegetable, boiled hasty pudding with molasses and bread.

Saturday. — Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday. — Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday. — Tea, bread and butter.

Tuesday — Tea, bread, butter and soft gingerbread.

Wednesday. — Tea, bread, butter and some kind of relish.

Thursday. — Tea, bread and butter.

Friday. — Tea, bread, butter and soft gingerbread.

Saturday — Tea, bread and butter.

Sunday. — Tea, bread and butter.

EXTRAS.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In four halls, sauce, of either fresh or dried apples, is furnished as often as three times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day, and either turkey or chicken on one other day in the year.

From four to five bushels of green sweet corn in the ear is consumed in its season, daily, with the exception of Sunday.

Tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horseradish as a condiment.

During eight months of the year, a barrel of apples is distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast, milk toast, toast with dropped egg and boiled eggs, for invalids and all who are not able to take the regular fare.

* Except two months in the spring.

† All baked puddings for the whole household are made with milk.

‡ Maple syrup is furnished, in place of molasses, three or four times in the spring.

* 2. — *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1895.												
October,	13	6	19	7	3	10	3	1	4	276.77	272.64	549.4
November,	7	10	17	4	4	8	1	1	2	279.2	275.83	555.03
December,	9	6	15	2	2	4	3	3	6	279.419	277.967	557.38
1896.												
January,	8	2	10	3	2	5	3	—	3	283.387	279.096	562.48
February,	9	7	16	2	4	6	2	1	3	286.206	281.137	567.34
March,	7	10	17	4	4	8	1	1	2	292.19	284.61	576.80
April,	11	10	21	13	6	19	6	3	9	290.9	285.5	576.4
May,	10	8	18	2	33	35	1	—	1	288.74	272.16	560.9
June,	9	6	15	5	9	14	2	—	2	291.9	260.23	552.13
July,	12	8	20	10	3	13	2	2	4	293.00	260.16	553.16
August,	9	11	20	6	7	13	1	3	4	294.45	262.77	557.22
September,	10	11	21	11	4	15	3	3	6	292.6	265.06	557.66
Total of cases,	114	95	209	69	81	150	28	18	46	—	—	—
Total of persons,	110	94	204	69	81	150	—	—	—	—	—	—
Daily average,	—	—	—	—	—	—	—	—	—	287.396	273.096	560.49

* For Table No. 1, see superintendent's report.

3. — Received on First and Subsequent Admissions.

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	94	74	168	—	—	—
Second,	16	15	31	7	2	9
Third,	1	5	6	1	1	2
Fourth,	3	—	3	5	—	5
Fifth,	—	1	1	—	4	4
Total of cases, . . .	114	95	209	13	7	20
Total of persons, . .	110	94	204	11	4	15

4. — Relations to Hospital of Persons admitted.

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane, . .	84	66	150
Former inmates of this hospital only, . .	20	20	40
of other hospitals only, . .	6	8	14
of this and other hospitals, . .	—	—	—
Total of persons,	110	94	204

5. — Residence of Persons admitted.

PLACES.	Males.	Females.	Totals.
Hampshire County,	25	14	39
Hampden County,	46	49	95
Berkshire County,	26	15	41
Franklin County,	13	16	29
Totals,	110	94	204
Cities or towns,*	59	45	104
Country districts,	51	49	100
Totals,	110	94	204

* Containing not less than 10,000 inhabitants.

6.—*Nativity and Parentage of Persons admitted.*

PLACES OF NATIVITY.	PATIENTS.			PARENTS.					
				MALES.		FEMALES.		TOTALS.	
	Ma.	Fe.	Tot.	Fa.	Mo.	Fa.	Mo.	Fa.	Mo.
Maine,	3	3	6	3	1	2	2	5	3
New Hampshire, . . .	—	4	4	—	—	1	2	1	2
Vermont,	4	1	5	6	4	1	—	7	4
Massachusetts, . . .	53	34	87	23	27	26	25	49	52
Rhode Island, . . .	—	1	1	—	—	—	—	—	—
Connecticut,	5	3	8	3	1	1	3	4	4
New York,	5	8	13	4	5	4	6	8	11
Illinois,	1	—	1	—	—	—	—	—	—
Indiana,	1	—	1	1	—	—	—	1	—
Iowa,	—	—	—	—	—	—	1	—	1
North Carolina, . . .	1	—	1	1	1	—	—	1	1
Georgia,	—	—	—	—	1	—	—	—	1
Virginia,	1	1	2	1	1	1	1	2	2
West Virginia, . . .	1	—	1	—	—	—	—	—	—
Kentucky,	—	—	—	1	—	—	—	1	—
Michigan,	1	1	2	—	—	—	—	—	—
Canada,	5	6	11	7	7	8	8	15	15
Nova Scotia,	1	—	1	—	—	—	1	—	1
England,	2	2	4	3	3	2	3	5	6
Ireland,	13	21	34	38	40	33	31	71	71
Scotland,	1	2	3	1	1	3	3	4	4
Italy,	2	—	3	2	2	1	1	3	3
Germany,	4	3	7	5	5	5	4	10	9
Poland,	1	1	2	1	1	1	1	2	2
Sweden,	—	1	1	—	—	1	1	1	1
Russia,	—	1	1	1	1	1	1	2	2
Bohemia,	1	—	1	—	—	—	—	—	—
Belgium,	1	—	1	1	1	—	—	1	1
Hungary,	1	—	1	1	1	—	—	1	1
Unknown,	2	—	2	7	7	3	—	10	7
Totals,	110	94	204	110	110	94	94	204	204

7. — *Civil Condition of Persons admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.			TOTAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	55	30	85	34	32	66	5	10	15	—	2	2	94	74	168
Second,	5	2	7	7	11	18	—	2	2	—	—	—	12	15	27
Third,	—	1	1	1	2	3	—	1	1	—	—	—	1	4	5
Fourth,	2	—	2	1	—	1	—	—	—	—	—	—	3	—	3
Fifth,	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
Totals,	62	34	96	43	45	88	5	13	18	—	2	2	110	94	204

8. — *Occupation of Persons admitted.*

MALES.

Blacksmith,	1	Mill operatives,	9
Bartender,	1	Moulders,	2
Book-keeper,	1	Newsboy,	1
Brick maker,	1	Paper maker,	1
Brick layer,	1	Physicians,	3
Baker,	1	Painters,	2
Carpenters,	3	Professor of elocution,	1
Cook,	1	Refrigerator builder,	1
Clerk,	1	Students,	2
Cigar maker,	1	Salesmen,	3
Chiropodist,	1	Shoemaker,	1
Carpet layer,	1	Showman,	1
Dentist,	1	Tailors,	2
Farmers,	16	Tinsmith,	1
Hotel porter,	1	Tramp,	1
Harness maker,	1	Teamster,	1
Laborers,	22	Upholsterer,	1
Locksmith,	1	Wood worker,	1
Livery stable keeper,	1	No occupation,	13
Machinists,	4		
Manufacturer of Perfumes,	1	Total,	110
Milk peddler,	1		

FEMALES.

Baker,	1	Mill operatives,	9
Carpet weaver,	1	Student,	1
Domestics,	8	Teacher,	1
Employee in paper mill,	1	Tailoress,	1
Farmer,	1	Waitress,	1
House keepers,	10	No occupation,	16
Lady's maid,	1		

WIFE OF

Button maker,	1	Laborer,	8
Bartender,	1	Mill operative,	3
Blacksmith,	1	Mechanic,	2
Book binder,	1	Merchant,	2
Butcher,	1	Machinist,	1
Carpenter,	2	Mason,	1
Cook,	1	Stone cutter,	1
Druggist,	1	Saloon keeper,	1
Editor,	1	Stone mason,	1
Engineer,	1	Teacher,	1
Farmer,	6	Wood dealer,	1
Hack driver,	1		
Inspector of police,	1	Total,	94
Junk dealer,	1		

9. — *Probable Causes of Disease in Persons admitted.*

CAUSES.	PATIENTS ADMITTED.			PREVIOUS ATTACKS.			INSANE.		
	INSANE.								
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. — PHYSICAL : —									
Apoplexy,	—	1	1	—	—	—	—	—	—
Adolescence,	2	1	3	—	1	1	1	—	1
Epilepsy,	8	6	14	1	1	2	2	2	4
Frequent child birth,	—	1	1	—	—	—	—	1	1
Heredity,	8	17	25	2	4	6	7	16	23
Intemperance,	29	10	39	2	1	3	1	2	3
Ill health,	12	8	20	1	1	2	3	1	4
Injury,	1	—	1	—	—	—	—	—	—
Miscariage,	—	1	1	—	—	—	—	—	—
Masturbation,	9	—	9	1	—	1	1	—	1
Menopause,	—	2	2	—	—	—	—	1	1
Overwork,	2	1	3	—	—	—	—	—	—
Opium,	1	—	1	—	—	—	—	—	—
Puerperal,	—	4	4	—	1	1	—	2	2

[illegible]

11. — *Ages of Insane at First Attack, Admissions and Deaths.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.						PERSONS DIED.					
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK			AT TIME OF DEATH.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	5	-	5	-	-	-	1	-	1	-	-	-
15 years and less, . .	5	3	8	-	-	-	-	3	3	-	-	-
From 15 to 20 years, . .	6	1	7	10	4	14	-	1	1	-	-	-
20 to 25 years, . .	12	4	16	16	6	22	2	1	3	1	-	1
25 to 30 years, . .	10	7	17	7	7	14	2	1	3	3	4	7
30 to 35 years, . .	9	8	17	16	8	24	2	2	4	2	2	4
35 to 40 years, . .	11	3	14	14	6	20	1	-	1	1	2	3
40 to 50 years, . .	7	15	22	9	13	22	5	3	8	5	1	6
50 to 60 years, . .	5	6	11	7	9	16	3	2	5	4	2	6
60 to 70 years, . .	5	6	11	4	5	9	1	4	5	2	5	7
70 to 80 years, . .	4	2	6	4	6	10	2	-	2	7	2	9
Over 80 years,	-	1	1	1	2	3	1	-	1	3	-	3
Unknown,	9	10	19	-	-	-	8	1	9	-	-	-
Total of persons, . .	88	66	154	88	66	154	28	18	46	28	18	46
Mean ages,	29.09	33.5	30.98	34.55	44.30	38.73	47.36	38.82	43.33	55.14	48.61	52.58

12. — *Reported Duration of Disease before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	1	-	1	1	-	1	2	-	2
Under 1 month,	22	9	31	8	2	10	30	11	41
From 1 to 3 months, . .	14	13	27	1	7	8	15	20	35
3 to 6 months, . . .	7	9	16	-	-	-	7	9	16
6 to 12 months, . .	10	5	15	1	2	3	11	7	18
1 to 2 years,	5	6	11	-	1	1	5	7	12
2 to 5 years,	9	15	24	2	7	9	11	22	33
5 to 10 years,	9	3	12	-	4	4	9	7	16
10 to 20 years, . . .	6	5	11	4	3	7	10	8	18
Over 20 years,	2	1	3	2	2	4	4	3	7
"Years,"	1	-	1	6	1	7	7	1	8
Unknown,	2	-	2	1	-	1	3	-	3
Total of cases,	88	66	154	26	29	55	114	95	209
Total of persons,	88	66	154	22	28	50	110	94	204
Average in years,	2.49	2.42	2.46	7.29	4.93	6.05	3.59	3.14	2.1

13. — *Form of Mental Disease in Cases admitted or discharged, with Condition on Discharge.*

FORM OF DISEASE.	CASES ADMITTED.			CASES DISCHARGED.						NOT INSANE.			DIED.			AGGREGATE.		
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			Males.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Insane: —																		
Mania, acute, . . .	25	11	36	9	4	13	1	1	2	6	—	6	2	1	3	21	7	28
Mania, chronic, . . .	15	10	25	—	—	—	—	—	—	12	8	20	—	—	—	9	23	32
recurrent, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
toxic, . . .	8	5	13	4	3	7	1	1	2	—	—	—	2	—	2	7	4	11
apopt, . . .	5	2	7	3	2	5	—	—	—	2	—	2	—	—	—	5	2	7
puerperal, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Melancholia, acute, . . .	16	17	33	5	3	8	1	1	2	1	3	4	1	1	2	10	11	21
Melancholia, chronic, . . .	4	11	15	—	—	—	2	1	3	1	2	3	4	6	10	11	11	22
recurrent, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dementia, acute, . . .	1	1	2	—	—	—	1	—	1	1	1	2	—	—	—	1	1	2
Dementia, primary, . . .	2	2	4	2	—	2	—	—	—	2	3	5	2	11	13	4	7	15
secondary, . . .	3	9	12	—	—	—	—	—	—	—	—	—	—	—	—	5	3	8
senile, . . .	5	4	9	—	—	—	—	—	—	—	—	—	—	—	—	3	3	6
organic, . . .	4	4	8	—	—	—	—	—	—	1	1	2	—	—	—	1	2	3
Primary delusional insanity, . . .	2	4	6	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2
Chronic delusional insanity, . . .	3	6	9	—	—	—	1	—	1	2	2	4	1	2	3	2	2	4
Epileptic insanity, . . .	8	6	14	—	—	—	—	—	—	1	—	1	1	3	4	1	2	3
Moral insanity, . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congenital mental deficiency, . . .	9	—	9	—	—	—	—	—	—	1	—	1	2	—	2	1	5	6
Paresis, . . .	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Not insane, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Total of cases, . . .	114	95	209	23	13	36	8	6	14	39	20	59	19	41	60	97	99	196
Total of persons, . . .	110	94	204	23	13	36	8	6	14	39	20	59	19	41	60	97	99	196

14. — Discharges, classified by Admission and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	21	12	33	6	4	10	17	17	34	18	31	49	—	1	1	25	15	40	87	80	167
Second,	2	1	3	1	2	3	2	2	4	1	7	8	—	—	—	1	3	4	7	15	22
Third,	—	—	—	1	—	1	—	—	—	—	1	1	—	—	—	1	—	1	2	1	3
Fourth,	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	1	—	1	1	2	3
Fifth,	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
Total of cases,	23	13	36	8	6	14	19	20	39	19	41	60	—	1	1	28	18	46	97	99	196
Total of persons,	23	13	36	8	6	14	19	20	39	19	41	60	—	1	1	28	18	46	97	99	196

15. — Causes of Death.

CAUSES.	INSANE.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system : —						
Exhaustion of mania, acute,	—	1	1	—	1	1
dementia, senile,	2	—	2	2	—	2
dementia, organic,	1	—	1	1	—	1
Chronic brain disease,	2	—	2	2	—	2
Organic brain disease,	2	—	2	2	—	2
Apoplexy,	2	—	2	2	—	2
Tetanus,	1	—	1	1	—	1
Paresis,	2	—	2	2	—	2
Paralysis,	—	2	2	—	2	2
Epilepsy,	—	2	2	—	2	2
Respiratory system : —						
Pulmonary tuberculosis,	4	7	11	4	7	11

Circulatory : —

Heart disease,

General : —

Erysipelas,

Uraemia,

Intestinal obstruction,

Bright's disease,

Enteritis,

Senility,

Cancer,

Pelvic abscess,

Totals,

1	1	2	1	1	2
1	—	1	1	—	1
1	—	1	1	—	1
1	—	1	1	—	1
3	—	3	3	—	3
2	1	3	2	1	3
3	1	4	3	1	4
—	2	2	—	2	2
—	1	1	—	1	1
28	18	46	28	18	46

16. — Recoveries, classified by Duration of Disease and of Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Insane: —												
Congenital,	—	—	—	—	—	—	—	—	—	—	—	—
Under 1 month,	12	6	18	1	2	3	—	—	—	1	2	3
From 1 to 3 months,	7	2	9	9	4	13	7	4	11	9	4	13
3 to 6 months,	1	3	4	7	5	12	5	4	9	6	5	11
6 to 12 months,	1	—	1	4	1	5	8	3	11	5	1	6
1 to 2 years,	1	—	1	2	1	3	2	—	2	2	1	3
2 to 5 years,	1	1	2	—	—	—	1	1	2	—	—	—
5 to 10 years,	—	1	1	—	—	—	1	1	2	—	—	—
10 to 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Unknown,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	23	13	36	23	13	36	23	13	36	23	13	36
Average of known cases (in months),	3.47	12.14	6.61	4.34	3.38	4.03	7.56	13.69	9.77	8.87	17.46	11.97
										5.04	3.51	4.28

[illegible]

[illegible]

20. — Operations of the Hospital, from the Beginning, in Each Year.

	ADMITTED.			DISCHARGED AND DIED.						Whole Number of Cases in the Year.	Number of Patients at end of the Year.														
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.					IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.				
				Males.	Females.	Totals.	Males.	Females.	Totals.			Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.		
1858,—2 months,	99	129	228	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	228	220	
1858-59, . . .	46	47	93	18	15	33	—	—	—	9	9	18	7	5	12	—	—	—	—	—	—	7	12	19	313
1859-60, . . .	73	94	167	19	16	35	—	—	—	12	10	22	2	2	4	—	—	—	—	—	—	9	18	27	398
1860-61, . . .	71	53	124	18	17	35	—	—	—	14	14	28	4	7	11	—	—	—	—	—	—	15	15	30	434
1861-62, . . .	64	48	112	19	15	34	—	—	—	27	15	42	9	5	14	—	—	—	—	—	—	1	9	10	442
1862-63, . . .	70	68	138	12	16	28	—	—	—	16	10	26	4	3	7	—	—	—	—	—	—	19	7	26	470
1863-64, . . .	47	45	92	30	19	49	—	—	—	19	15	34	4	6	10	—	—	—	—	—	—	17	30	47	475
1864-65, . . .	70	64	134	17	16	33	—	—	—	14	15	29	8	5	13	—	—	—	—	—	—	17	24	41	468
1865-66, . . .	75	61	136	16	10	26	—	—	—	12	7	19	5	2	7	—	—	—	—	—	—	18	13	31	488
1866-67, . . .	61	77	138	24	18	42	—	—	—	15	13	28	6	7	13	—	—	—	—	—	—	23	24	47	543
1867-68, . . .	68	84	152	21	19	40	—	—	—	22	27	49	5	7	12	—	—	—	—	—	—	25	18	43	565
1868-69, . . .	84	85	169	31	18	49	—	—	—	23	33	56	20	38	58	—	—	—	—	—	—	13	12	25	590
1869-70, . . .	90	112	202	23	27	50	—	—	—	15	43	58	22	34	56	—	—	—	—	—	—	22	11	33	604
1870-71, . . .	109	102	211	16	27	43	—	—	—	23	41	64	31	30	61	—	—	—	—	—	—	16	12	28	616
1871-72, . . .	101	98	199	25	15	40	—	—	—	33	27	60	22	27	49	—	—	—	—	—	—	19	18	37	619
1872-73, . . .	102	79	181	19	29	48	—	—	—	37	22	59	23	29	52	—	—	—	—	—	—	1	8	9	433
1873-74, . . .	105	88	193	25	12	37	—	—	—	24	19	43	27	18	45	—	—	—	—	—	—	14	11	25	626
1874-75, . . .	75	78	153	16	13	29	—	—	—	21	24	45	17	21	38	—	—	—	—	—	—	23	18	41	629
1875-76, . . .	76	77	153	19	13	32	—	—	—	18	31	49	24	23	47	—	—	—	—	—	—	18	19	37	629
1876-77, . . .	68	71	139	15	18	33	—	—	—	8	13	21	15	17	32	—	—	—	—	—	—	21	21	42	603

1877-78,	•	40	36	76	7	19	26	-	-	17	27	44	16	13	29	-	-	14	9	23	551	429
1878-79,	•	63	43	106	13	13	25	-	-	15	13	28	11	3	14	1	1	14	9	23	551	429
1879-80,	•	59	58	117	16	12	28	5	7	12	11	23	9	10	19	2	-	17	12	29	559	446
1880-81,	•	57	65	123	7	13	20	6	7	13	15	30	6	10	16	1	-	16	10	26	569	463
1881-82,	•	62	62	124	13	15	28	4	9	13	7	21	14	13	27	-	1	24	14	38	587	459
1882-83,	•	73	69	147	11	17	28	9	-	18	15	33	21	14	35	1	1	17	13	30	606	469
1883-84,	•	61	75	136	9	16	25	6	11	17	19	35	16	20	36	3	1	12	13	25	605	463
1884-85,	•	66	70	136	17	12	29	4	5	9	12	17	20	16	26	1	2	16	11	27	599	473
1885-86,	•	85	98	183	10	19	29	8	2	10	23	59	20	23	43	1	-	14	12	26	639	491
1886-87,	•	72	76	148	16	8	24	5	3	8	36	31	67	21	37	1	2	13	18	31	639	493
1887-88,	•	87	79	166	23	13	36	3	6	9	25	22	47	12	17	2	-	14	17	31	635	481
1888-89,	•	98	57	155	27	15	42	6	6	12	25	40	65	35	8	43	2	18	7	25	636	446
1889-90,	•	91	79	170	18	14	32	5	9	14	17	34	12	5	17	1	2	12	9	21	616	495
1890-91,	•	82	59	141	29	16	45	7	7	14	27	53	18	22	40	-	-	19	12	31	636	488
1891-92,	•	102	75	177	16	21	37	9	10	19	13	8	21	8	23	3	-	29	9	38	630	489
1892-93,	•	91	78	169	20	11	31	11	15	26	19	18	37	21	43	4	-	20	17	37	658	480
1893-94,	•	89	83	172	20	12	32	7	7	15	11	17	28	14	22	36	1	25	11	37	652	504
1894-95,	•	110	91	201	16	22	38	15	7	22	15	14	29	19	38	-	-	18	14	32	705	546
1895-96,	•	111	95	208	23	13	36	8	6	14	19	20	39	19	41	60	1	28	18	46	755	559
Totals,	•	3,061	2,909	5,970	694	614	1,308	118	117	235	707	1,476	566	590	1,156	25	16	639	536	1,105	-	-

22. — *Classified Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65,	225.10	48.16	69.83	343.25
1865-66,	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67,	261.96	49.46	89.75	401.17
1867-68,	262.65	47.92	103.06	413.63
1868-69,	248.52	54.98	101.46	404.96
1869-70,	236.19	65.04	107.23	408.46
1870-71,	234.10	77.07	118.38	429.55
1871-72,	226.96	89.57	112.27	428.80
1872-73,	248.02	99.23	90.00	437.25
1873-74,	284.48	102.88	82.06	469.42
1874-75,	274.35	128.34	72.46	475.15
1875-76,	259.19	146.02	68.94	474.15
1876-77,	254.84	161.58	60.02	476.44
1877-78,	211.90	175.71	54.75	442.36
1878-79,	200.34	182.29	54.23	436.86
1879-80,	197.03	198.01	54.46	450.50
1880-81,	180.82	214.15	57.19	452.15
1881-82,	166.84	238.25	56.52	461.61
1882-83,	161.62	247.63	57.58	466.83
1883-84,	155.10	251.23	56.06	462.39
1884-85,	154.44	261.58	59.82	475.84
1885-86,	140.23	270.52	63.61	474.36
1886-87,	122.78	289.38	66.00	478.16
1887-88,	112.17	294.01	64.01	470.19
1888-89,	104.67	303.01	61.31	468.99
1889-90,	96.86	311.17	62.07	470.10
<i>Daily Average.</i>				
1890-91,	90.71	297.78	68.51	457.00
1891-92,	85.64	309.42	74.03	469.09
1892-93,	75.83	338.72	65.71	480.26
1893-94,	83.50	339.83	70.68	494.11
1894-95,	80.87	376.02	69.67	526.56
1895-96,	81.57	403.15	75.77	560.49

23. — Supplies for the Several Departments for the Year 1895-96.

	Sheets.	Pillow Cases.	Bed Spreads.	Blankets.	Bed Ticks.	Pillow Ticks.	Towels.	Curtains.	Wash Bowls.	Bwers.	Chambers.	Mirrors.	Hair Brushes.	Combs.	Carpet Strips.	Plates.	Cups.	Saucers.	Tumblers.	Mugs.	Bowls.	Pitchers.	Knives.	Forks.	
<i>Men's Department.</i>																									
Upper	1st Hall,	30	10	6	10	6	34	—	—	—	1	—	1	1	11	—	24	6	6	6	—	12	2	17	—
	2d Hall,	96	12	10	9	10	12	—	—	—	14	—	3	3	1	12	36	18	30	—	36	6	3	13	7
	3d Hall,	22	34	8	16	10	—	12	—	—	31	—	3	2	2	12	24	24	24	—	—	12	3	1	—
Middle	1st Hall,	22	10	—	10	19	12	—	—	—	33	—	1	3	6	30	54	12	6	—	1	4	3	6	—
	2d Hall,	48	—	2	18	18	6	6	—	—	33	—	3	2	2	30	54	12	—	—	4	4	4	13	12
	3d Hall,	42	6	2	14	16	12	4	1	1	26	—	2	4	6	2	—	—	—	—	—	—	—	—	—
Lower	1st Hall,	40	28	—	3	12	12	—	—	—	16	—	2	3	—	6	30	18	—	—	—	—	—	—	—
	2d Hall,	42	18	2	8	—	—	—	—	—	16	—	2	1	—	6	12	18	—	—	—	—	—	—	—
	3d Hall,	48	24	—	32	10	6	—	—	—	22	1	2	5	—	60	108	96	—	—	60	—	7	6	6
Number	10 Hall,	132	90	14	33	42	10	3	—	—	—	—	2	1	—	60	108	96	—	—	—	—	—	—	—
<i>Women's Department.</i>																									
Upper	1st Hall,	24	72	6	2	1	66	6	2	4	6	—	—	2	2	48	24	60	60	—	—	24	5	5	—
	2d Hall,	56	48	12	—	—	110	6	1	5	12	—	—	22	—	12	12	12	12	—	12	2	6	6	—
	3d Hall,	196	52	18	25	4	100	—	—	—	12	—	—	36	—	36	36	36	36	—	24	12	2	—	—
Middle	1st Hall,	72	54	12	2	—	94	12	1	3	6	—	—	34	—	36	—	96	96	—	24	5	7	—	—
	2d Hall,	126	52	12	24	1	6	54	12	1	36	—	—	46	—	36	12	48	12	—	12	7	—	—	—
	3d Hall,	120	24	12	12	2	72	—	1	—	18	—	—	46	—	48	24	—	36	—	72	10	—	—	—
Lower	1st Hall,	48	48	12	—	—	36	—	—	—	6	—	—	24	—	—	—	—	42	—	18	3	—	—	—
	2d Hall,	168	48	24	—	6	48	14	1	1	30	—	—	44	—	12	12	—	—	—	54	—	—	—	—
	3d Hall,	163	24	25	—	—	114	—	—	—	66	—	1	74	—	24	—	24	—	—	30	7	—	—	—
Kitchen,		—	—	—	—	—	48	—	—	—	—	—	—	1	—	151	42	102	114	—	14	10	43	21	
Rear,		13	16	6	10	—	41	—	1	—	6	1	1	1	5	182	6	—	11	—	—	5	—	—	—
Centre,		15	2	—	—	—	6	—	—	—	—	—	—	2	—	12	—	6	24	—	—	1	—	—	—
Aggregates,		1,528	686	126	239	115	893	75	10	17	350	3	20	355	33	683	528	450	517	97	341	101	118	58	—

23. — Supplies for the Several Departments for the Year 1895-96 — Concluded.

	Spoons.	Table Spreads.	Napkins.	Tin Cups.	Iron Spoons.	Dish Towels.	Rollers.	Wash Basins.	Brooms.	Soap (Pounds).	Sapallo.	Whisks.	Dust Brushes.	Scrub Brushes.	Dust Pans.	Mops.	Pails.	Spittoons.	Blacking.	Shoe Brushes.	Spools Thread.	Papers Needles.	Papers Pins.
<i>Men's Department.</i>																							
Upper 1st Hall,	12	1	18	-	-	12	6	-	12	32	-	3	1	-	-	2	1	1	4	1	3	-	1
2d Hall,	12	1	36	-	-	12	18	-	15	72	-	5	1	-	-	1	2	-	4	1	2	-	1
3d Hall,	18	-	-	-	-	18	24	-	14	50	-	4	-	-	-	2	2	-	4	1	2	-	1
Middle 1st Hall,	12	-	-	-	-	18	12	-	32	68	-	3	1	-	-	10	0	-	7	3	1	-	1
2d Hall,	6	-	-	-	-	24	-	-	32	66	-	4	-	-	2	4	2	-	3	1	1	-	1
3d Hall,	19	-	-	-	-	6	6	1	12	36	-	2	1	-	2	5	3	-	3	1	1	-	1
Lower 1st Hall,	12	-	-	-	-	12	12	2	32	22	-	1	1	-	1	7	8	-	2	-	2	-	2
2d Hall,	12	-	-	-	-	24	24	2	36	62	-	2	1	-	3	5	5	-	3	3	4	-	2
3d Hall,	36	-	-	-	1	-	36	-	47	132	-	3	3	-	3	5	5	-	6	3	4	-	2
Number 10 Hall,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
<i>Women's Department.</i>																							
Upper 1st Hall,	-	2	24	-	-	12	-	-	7	94	7	-	3	1	3	1	1	-	1	-	18	3	6
2d Hall,	-	6	24	-	-	12	-	-	31	98	3	2	3	1	-	2	1	-	1	1	10	1	7
3d Hall,	36	1	-	-	12	12	-	-	17	100	1	1	2	2	-	6	7	-	1	1	34	5	14
Middle 1st Hall,	-	2	-	-	-	12	-	-	11	104	8	1	1	1	3	4	3	-	1	1	18	10	15
2d Hall,	96	5	-	-	12	24	-	-	49	102	2	1	1	1	3	6	3	-	1	1	34	4	20
3d Hall,	-	4	-	-	-	18	-	-	28	102	29	1	1	1	1	7	3	-	-	-	28	5	16
Lower 1st Hall,	-	6	-	-	-	-	-	-	20	80	2	2	3	-	-	2	3	-	-	-	30	5	9
2d Hall,	12	3	-	36	48	24	-	-	33	100	8	-	3	-	-	2	6	-	-	-	56	10	20
3d Hall,	48	3	12	24	12	24	15	2	87	221	16	1	1	1	2	3	2	-	-	-	52	15	18
Kitchen,	-	2	-	24	3	81	11	-	91	214	59	2	6	12	2	7	12	-	-	-	-	-	32
Rear,	-	1	24	1	-	12	-	-	6	114	13	3	1	3	-	3	3	-	-	1	-	-	-
Centre,	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aggregates,	323	36	138	115	88	364	164	7	654	1,999	161	55	44	36	21	99	97	5	47	16	298	58	176

24. — Days' Work by Patients.

MONTHS.	FARM.	KITCHEN.			SEWING-ROOM.	LAUNDRY.		
	Men.	Men.	Women.	Totals.	Women.	Men.	Women.	Totals.
1895.								
October, . .	663	124	152	276	374	73	335	408
November, . .	663	120	174	294	471	66	364	430
December, . .	608	124	140	264	479	70	382	452
1896.								
January, . .	598	124	136	260	544	73	431	504
February, . .	547	116	135	251	513	69	402	471
March, . .	568	124	168	292	528	77	426	503
April, . .	611	120	189	309	468	93	427	520
May, . .	640	124	203	327	366	94	404	498
June, . .	695	120	189	309	341	96	410	506
July, . .	677	124	202	326	286	96	445	541
August, . .	609	124	178	302	303	92	408	500
September, . .	635	120	174	294	348	94	378	472
Totals, . .	7,514	1,464	2,040	3,504	5,021	993	4,812	5,805

25. — *List of Articles made in the Sewing-room.*

Aprons,	662	Night Dresses,	51
Chemise,	369	Ox blankets,	4
Curtains,	100	Pillow cases,	831
Caps,	814	Pillow ticks,	98
Camisoles,	21	Roller towels,	338
Carpet strips,	69	Skirts,	208
Carpeting, yards,	231	Shirts,	573
Clothes bags,	59	Sheets,	1,693
Dresses,	352	Shirt waists,	6
Drawers,	170	Suspenders, pairs,	113
Feather ticks,	3	Towels,	1,105
Hats trimmed,	35	Tablecloths,	51
Mattress ticks,	131	Under waists,	18
Napkins,	193	Articles repaired,	28,630

26. — *Upholstery done in the Year.*

Hair mattresses made, new material,	40
Hair mattresses made, new ticks,	100
Hair mattresses made, old material,	60
Hair pillows made, new material,	35
Hair pillows made, new ticks,	45
Hair pillows made, old material,	56

27. — *Trustees of the Northampton Lunatic Hospital.*

NAMES.	Residence.	When app'ted.	Service ended.	From What Cause.
Charles E. Forbes,* . .	Northampton, . .	1856	1857	Term expired.
Lucien C. Boynton,* . .	Uxbridge, . . .	1856	1858	Term expired.
Eliphalet Trask,* . .	Springfield, . .	1856	1875	Term expired.
John C. Russell,* . .	Great Barrington, .	1856	1859	Resigned.
Horace Lyman, . . .	Greenfield, . . .	1856	1857	Removed.
Charles Smith,* . . .	Northampton, . .	1857	1860	Resigned.
Luther V. Bell,* . . .	Somerville, . . .	1857	1859	Resigned.
Zebina L. Raymond,* .	Greenfield, . . .	1858	1859	Resigned.
Franklin Ripley,* . .	Greenfield, . . .	1859	1860	Died in office.
Edward Dickinson,* .	Amherst, . . .	1859	1864	Resigned.
Walter Laffin,* . . .	Pittsfield, . . .	1859	1866	Term expired.
Silas M. Smith,* . . .	Northampton, . .	1860	1863	Term expired.
Charles Allen, . . .	Greenfield, . . .	1860	1861	Resigned.
Alfred R. Field,* . . .	Greenfield, . . .	1861	1864	Resigned.
Edward Hitchcock, . .	Amherst, . . .	1863	1879	Resigned.
Silas M. Smith,* . . .	Northampton, . .	1864	1887	Died in office.
Edmund H. Sawyer,* .	Easthampton, . .	1864	1879	Died in office.
Henry L. Sabin,* . . .	Williamstown, . .	1866	1876	Term expired.
Adams C. Deane, . . .	Greenfield, . . .	1875	—	Still in office.
Henry W. Taft, . . .	Pittsfield, . . .	1876	1893	Term expired.
William M. Gaylord, .	Northampton, . .	1879	1883	Term expired.
Lyman D. James, . . .	Williamsburg, . .	1879	—	Still in office.
Christopher Merritt, .	Springfield, . . .	1883	1888	Term expired.
Sarah A. Woodworth, .	Chicopee, . . .	1884	—	Still in office.
Sarah M. Butler, . . .	Northampton, . .	1884	—	Still in office.
John L. Otis,* . . .	Florence, . . .	1887	1890	Resigned.
N. A. Leonard,* . . .	Springfield, . . .	1888	1890	Died in office.
Alvan Barrus, . . .	Goshen, . . .	1890	—	Still in office.
Elisha Morgan, . . .	Springfield, . . .	1890	—	Still in office.
William D. MacInnes, .	Pittsfield, . . .	1893	—	Still in office.

* Deceased.

28. — *Officers and Employees.*

[Time employed Oct. 1, 1896.]

NAMES.	Years.	Months.	Days.
Edward B. Nims, M.D., superintendent,	27	9	16
John A. Houston, M.D., assistant physician,	7	—	7
Charles M. Holmes, M.D., assistant physician,	7	2	21
Jane R. Baker, M.D., female physician,	4	1	28
Lewis F. Babbitt, clerk,	4	11	19
S. Emma Hines, matron,	1	3	4
John Mercier, farmer,	29	2	—
Walter I. Dodge, engineer,	1	5	—
Robert H. Gallivan, supervisor,	23	5	13
Lucy A. Gilbert, supervisor,	29	7	20
Jeremiah McKenna, steward,	2	5	15
George B. Walker, baker,	11	3	22
Bradamante Fairbanks, seamstress,	4	8	3
Chloe L. Marks, laundress,	4	4	—
Charles E. Marshall, laundryman,	2	8	16
Inez M. Field, assistant clerk,	6	9	3
Elizabeth Bycraft, assistant supervisor,	5	—	1
Ernest J. Hines, assistant steward,	2	2	6
Mattie Jones, assistant seamstress,	4	10	16
Hannah Burns, assistant seamstress,	1	2	27
Matilda Taylor, assistant laundress,	2	3	5
Harriet Powers, assistant laundress,	1	4	—
Effie Smith, assistant laundress,	—	1	6
Frank Duffey, assistant baker,	—	3	16
Henry W. Estey, attendant,	14	6	7
Martin V. B. Vance, attendant,	4	8	7
Samuel L. Williams, attendant,	4	3	4
Edward R. Cover, attendant,	2	10	28
Herbert R. Sears, attendant,	2	11	16
William Day, attendant,	3	—	24
Mitchell J. Darling, attendant,	1	11	8
Alpheus D. King, attendant,	1	5	24
James Carey, attendant,	1	4	23
Chalon B. Mead, attendant,	1	4	17
Llewellyn D. Carey, attendant,	—	11	25
Frederick T. Elwell, attendant,	—	7	14
John McCalman, attendant,	3	1	23
Edgar F. Haskins, attendant,	—	4	8
Fred S. Guilford, attendant,	—	3	8
Warren Mundell, attendant,	—	4	4
John R. Graves, attendant,	—	1	15
Frederick Buzzee, attendant,	—	1	1
Forrest J. Buzzell, attendant,	—	—	6
Fred P. Wilson, night attendant,	3	5	6
Lucius G. Wright, night attendant,	1	5	28
Ernest V. Carpenter, night attendant,	—	11	3
Bridget Carey, attendant,	3	—	6
Mary J. Darling, attendant,	2	1	3
Inez D. Clark, attendant,	2	3	13
Amelia Clark, attendant,	1	6	24
Rachel Carey, attendant,	1	3	3

28. — *Officers and Employees* — Concluded.

NAMES.	Years.	Months.	Days.
Luella Stafford, attendant,	—	10	29
Alice Baylis, attendant,	—	6	24
Mary Morris, attendant,	—	9	29
Elinor Cline, attendant,	—	3	7
Alice Collins, attendant,	—	2	21
Lilla Hamm, attendant,	—	2	21
Mary Hall, attendant,	—	1	7
Ruth Carey, attendant,	—	1	3
Ellen Buchan, attendant,	—	1	—
Clara Barnes, attendant,	—	1	—
Agnes Treen, attendant,	—	—	28
Ida M. Bragg, attendant,	—	—	3
Georgiana Thorn, attendant,	—	—	3
Bridget Frawley, night attendant,	2	—	21
Harriet P. Estey, night attendant,	2	4	10
Emma Johnston, night attendant,	—	2	24
Susie Warren, centre housework,	2	6	25
Cornelia Warren, centre housework,	1	6	1
Ellen Mead, centre housework,	1	—	7
Annie Hayes, farmers' dining-room,	1	1	25
Adelphine Richardson, cook,	—	4	9
Mary A. Gray, assistant cook,	—	6	—
Lizzie Cahill, assistant cook,	1	2	27
Julia Burns, assistant cook,	—	4	16
Nora Richardson, assistant cook,	—	4	—
Mary McNamara, assistant cook,	—	—	21
Lizzie McNamara, assistant cook,	—	—	21
Nora Burns, rear housework,	2	3	11
Hugh E. Adams, watchman,	1	11	9
Clinton A. Smith, fireman,	—	11	24
George Franklin, assistant engineer,	1	10	10
Nicholas Reil, assistant gardener,	20	7	1
Sifroi Belleville, carpenter,	26	5	7
Walter Tower, carpenter,	18	10	—
Alfred Parenteau, painter,	31	1	18
David Mercier, coachman,	19	7	14
George W. Thorniley, florist,	3	5	12
Benjamin Rockwell, assistant farmer,	29	4	—
Henry Wilson, assistant farmer,	17	5	8
James Madden, assistant farmer,	21	—	29
Patrick Egan, assistant farmer,	4	1	8
Thomas Donahoe, assistant farmer,	3	11	—
Xavier Dion, assistant farmer,	3	3	17
Charles H. Egleston, assistant farmer,	2	7	16
George Bennett, assistant farmer,	2	5	14
Charles Aldrich, assistant farmer,	—	5	8
John Hawley, assistant farmer,	—	5	22
John Bourke, car boy,	3	4	14

FORTY-SECOND ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1897.

BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1898.



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BOSTON

William J. Ford

WILLIAM J. FORD
BOSTON

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OFFICERS

OF THE

NORTHAMPTON LUNATIC HOSPITAL.

TRUSTEES.

Mrs. SARAH M. BUTLER,	NORTHAMPTON.
ADAMS C. DEANE, M.D.,	.	.	.	.	.	.	GREENFIELD.
WILLIAM D. MACINNES, Esq.,	.	.	.	.	.	.	PITTSFIELD.
LYMAN D. JAMES, Esq.,	.	.	.	.	.	.	WILLIAMSBURG.
HON. ELISHA MORGAN,	.	.	.	.	.	.	SPRINGFIELD.
HON. ALVAN BARRUS,	.	.	.	.	.	.	GOSHEN.
Mrs. SARAH A. WOODWORTH,	.	.	.	.	.	.	CHICOPEE.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	.	.	.	.	.	.	<i>Superintendent.</i>
CHARLES M. HOLMES, M.D.,	.	.	.	.	.	.	<i>Assistant Physician.</i>
JANE R. BAKER, M.D.,	.	.	.	.	.	.	<i>Female Physician.</i>
PAYN B. PARSONS, M.D.,	.	.	.	.	.	.	<i>Medical Interne.</i>
WILLIAM H. COON, M.D.,	.	.	.	.	.	.	<i>Medical Interne.</i>
LEWIS F. BABBITT,	.	.	.	.	.	.	<i>Clerk.</i>
S. EMMA HINES,	.	.	.	.	.	.	<i>Matron.</i>
JOHN MERCIER,	<i>Farmer.</i>
WALTER I. DODGE,	<i>Engineer.</i>

TREASURER.

LEWIS F. BABBITT,	NORTHAMPTON.
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Office at the Hospital.

SUBORDINATE OFFICERS.

ROBERT H. GALLIVAN,	<i>Male Supervisor.</i>
LUCY A. GILBERT,	.	.	.	.	.	.	<i>Female Supervisor.</i>
JEREMIAH McKENNA,	.	.	.	.	.	.	<i>Steward.</i>
BRADAMANTE FAIRBANKS,	.	.	.	.	.	.	<i>Seamstress.</i>
CHLOE L. EGGLESTON,	.	.	.	.	.	.	<i>Laundress.</i>
GEORGE B. WALKER,	.	.	.	.	.	.	<i>Baker.</i>

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton Lunatic Hospital respectfully submit the forty-second annual report, showing the present condition of the hospital and its needs, with a summary of the operations for the year ending Sept. 30, 1897, given in the reports of the superintendent and treasurer.

The work of renovating the north wing of the hospital, which was being carried on at the time of our last report, has been finished, with the exception of the painting of the walls of some of the sleeping-rooms.

The bettered appearance of the wards, the increase in light and cheerfulness, the great improvement in ventilation, the lessening of danger in case of fire, and the added convenience in caring for the wards, justify the expense and trouble incurred in making the alterations. Frequent expressions of approval and commendation from visitors, official and others, and from patients and their friends, are very gratifying to the trustees. Relatives of patients often express their satisfaction at finding their friends in so pleasant and cheerful surroundings.

To complete the improvements contemplated and begun in 1891 the changes in the central building are yet to be made. The room formerly used as chapel is to be divided by a floor and partitions into corridors leading to the new chapel, with

six sleeping-rooms, a dining-room for the assistant physicians, a library, a laboratory and a work-room.

Removing the dining-room of the assistants to the floor above will provide accommodations for a dispensary, allowing removal of the dispensary from its present location in the office of the assistant physicians, where more room is needed. Their office at present accommodates, inconveniently, four assistant physicians, also serving as dispensary, laboratory, reception room for new patients and passageway to the office of the superintendent and treasurer. Under such conditions satisfactory office work cannot be done by the physicians.

The dining-room for employees, under the old chapel, has long been too small. It is proposed to enlarge it by removing the wall separating it from the sitting-room for employees, a new sitting-room having been provided in the changes of last year.

The stairways in the rotunda, being of wood built around open wells from the first to the fourth floors, are not safe and should be replaced by iron stairways.

The repairs begun in the basement should be finished as rapidly as possible. The rooms leading from the kitchen, through which are laid the tracks for the food cars, now used for storage and for cooking utensils, have not been in repair for several years, other places demanding more immediate attention. They require cement floors, that they may be kept in cleanly condition. New car tracks are needed, the present tracks being iron strips supported on wooden stringers, which are easily affected by dampness.

The room now used for waste from the kitchen will make an excellent scullery if the floor is lowered to the level of the corridor and cemented. Several other rooms, now used for the storage of vinegar, lard and oil, need cemented floors and plastered ceilings, with proper ventilation, that no odors therefrom may be perceptible on the wards.

The hospital is in great need of a passenger elevator to accommodate the sick, the infirm and the aged, many of the latter who reside on the upper floors being unable to go out of doors, or to the reception rooms to visit friends, because of the difficulty of going up and down the stairway.

There is also need of food cars that may be heated, to keep the food warm in its long journey through cold passageways from the kitchen to the dining-rooms.

When the repairs were made on the south wing the water section of the second halls, containing closets, bath-rooms and toilet-rooms, was not disturbed. The condition of this section demanding immediate attention, it was decided to erect a new building for this purpose as rapidly as the funds of the hospital would allow. It will contain the most modern sanitary conveniences, including spray baths.

This addition, about twenty feet square, is now being built. The excavation was done by patients under supervision, and a number of patients are employed every day in its construction. By this change several sleeping-rooms will be added to our accommodations.

Our present method of heating flat-irons in the laundry is expensive, not so satisfactory as it might be and not without risk of fire. After investigating the subject the trustees have decided to install a system of electrically heated flat-irons. The inducements leading to this change are greater convenience, ability to accomplish more work, reduced danger of fire and an estimated reduction of expense.

It is proposed to utilize the electric generator also to pump water from the spring on our grounds, from which the hospital formerly obtained its supply. There is a cistern in good repair from which flows about a fourth as much water as is daily used in the hospital. This water is of excellent quality, and is used in several dining-rooms, being brought from the spring by a patient. The reduction in our gas and water bills will probably be more than enough to meet the expense of running the generator during the day.

We estimate that a further appropriation of \$50,000 will be required to complete the improvements contemplated.

In addition to the above requirements the need of a new infirmary becomes more pressing every year. Plans for this are made, from which the cost is estimated at approximately \$40,000.

Before long our main barn will have to be replaced by a larger and more convenient one.

The finances of the institution are in satisfactory condition, the treasurer's report showing a balance in our favor of \$10,519.77, after the expenditure during the year of \$1,611.09 for ordinary repairs and of \$12,505.91 for new work on the buildings.

An important change in the medical staff took place in the resignation of Dr. E. B. Nims. He had been connected with the hospital nearly twenty-nine years, first as assistant physician, and since 1885 as superintendent. During his service the hospital has made marked improvement. From being poorly lighted and ventilated it is now one of the most cheerful and best ventilated of the State institutions.

In accepting his resignation the trustees passed the following resolutions : —

Whereas, Dr. E. B. Nims, superintendent of the Northampton Lunatic Hospital, has tendered his resignation, to take effect June 1, 1897, in the twenty-ninth year of his service, which has continued longer without interruption than that of any other physician who has preceded him, while only four other employees of the institution ante-date his coming ;

Resolved, That we, the trustees, fully appreciating this long and faithful service, and all his constant, kindly efforts to mitigate the sufferings of this most afflicted class of humanity, tender to him a full measure of our appreciation of his services, and our regrets that we must consent to the parting. We would congratulate him on the high measure of success attained in his profession and on leaving the hospital in a higher state of efficiency than it has ever before attained.

Dr. J. A. Houston, who has been connected with the hospital eight years as first assistant, following a service of about seven years at the Worcester Hospital, was appointed superintendent.

Dr. C. M. Holmes, who has served at this hospital eight years as second assistant, was appointed first assistant physician.

Mr. L. F. Babbitt, who has been clerk since 1891, serving also as treasurer's assistant, was appointed treasurer.

The medical work has been increasing in amount for several years, because of the larger number of cases to be cared for, and because of more special attention being given to individual cases. To meet the need of an increase in the staff it was decided to appoint two medical internes, the length of service to be one year.

For the year beginning July 1, 1897, Dr. Payn B. Parsons and Dr. William H. Coon were appointed. Both come with excellent recommendations.

We have been pleased with the satisfactory condition of the hospital whenever we have visited it, and commend the officers for their faithfulness and interest in their work.

SARAH A. WOODWORTH.

SARAH M. BUTLER.

WILLIAM D. MACINNES.

L. D. JAMES.

ELISHA MORGAN.

ALVAN BARRUS.

A. C. DEANE.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1897.

Superintendent and physician,	per year, \$2,500 00
Assistant physician, first,	" 1,200 00
Female physician,	" 700 00
Medical internes (2),	" 400 00
Treasurer and clerk,	" 1,500 00
Matron,	" 400 00
Farmer,	" 700 00
Engineer, house rent and partial board,	" 1,000 00
Assistant clerk,	per month, 30 00
Supervisor (male),	" 50 00
Supervisor (female),	" 30 00
Assistant supervisor (female),	" 25 00
Seamstress,	" 25 00
Assistant seamstress,	" 18 00
Laundress,	" 20 00
Laundryman, without board,	" 60 00
Assistant laundresses, with partial board (2),	" 22 00
Assistant laundress,	" 14 00
Baker,	" 45 00
Assistant baker,	" 28 00
Steward,	" 50 00
Assistant steward, with partial board,	" 42 00
Attendants (male, 13),	" 30 00
Attendants (male, 2),	" 25 00
Attendants (male, 5),	" 23 00
Attendants (male, 3),	" 21 00
Attendant (female),	" 22 00
Attendants (female, 11),	" 20 00
Attendants (female, 5),	" 16 00

Attendants (female, 3),	per month, \$14 00
Housework, centre (female),	" 17 00
Housework, centre (female, 5),	" 16 00
Cook (female),	" 20 00
Assistant cook (female),	" 16 00
Assistant cook (female),	" 15 00
Farmer's dining-room (female),	" 15 00
Housework, rear building (female),	" 15 00
Watchman,	" 30 00
Carpenter,	per day, 2 25
Carpenter,	" 2 00
Painter,	per month, 50 00
Gardener,	" 30 00
Assistant engineer,	" 30 00
Fireman,	" 30 00
Coachman,	" 30 00
Car boy,	" 25 00
Florist, without board,	" 50 00
Farm hands (2),	" 30 00
Farm hands (4),	" 28 00
Farm hands (3),	" 25 00
Farm hand,	" 23 00

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1897.

Live stock on farm,	\$8,460 00
Products of farm on hand,	9,275 21
Carriages and agricultural tools,	2,850 00
Machinery and mechanical fixtures,	14,000 00
Beds and bedding in inmates' department,	12,500 00
Other furniture in inmates' department,	8,250 00
Personal property of State in superintendent's department,*	7,500 00
Ready-made clothing,	2,031 52
Dry goods,	1,266 05
Bedding,	696 05
Small wares,	418 11
Miscellaneous,	1,477 62
Provisions and groceries,	3,086 04
Drugs and medicines,	525 00
Fuel,	1,478 40
Library,	1,000 00
Paints and oils,	475 00
	<hr/>
	\$75,289 00

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing-room and other departments.

TREASURER'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

I respectfully submit the following report of the finances of this institution for the year ending Sept. 30, 1897.

ASSETS.

Four hundred and ninety-three acres of land,	\$53,000 00
Hospital building,	450,000 00
Farm-house, \$1,700; brick house, \$1,700,	3,400 00
Four dwellings,	2,000 00
Storehouse and shops,	20,000 00
Two barns,	4,000 00
Horse stable,	1,900 00
Lumber-house,	850 00
Pump-house,	650 00
Cart shed,	400 00
Piggery,	3,000 00
Fire-proofs for oils and paints,	500 00
Two ice-houses,	400 00
	\$540,100 00

PERSONAL ESTATE.

Stocks and supplies as per inventory,	\$75,289 00
-------------------------------------------------	-------------

RECEIPTS.

Cash on hand Sept. 30, 1896,	\$1,848 05
Receipts from State treasurer,	11,988 48
from towns,	68,809 36
from individuals,	21,098 56
from sales,	2,582 16
from interest,	155 85
from loan,	2,000 00
Cash belonging to patients,	1,357 77
	\$109,840 23

PAYMENTS.

Salaries, wages and labor,		\$40,354 16
Provisions and supplies: —		
Meats of all kinds,	\$6,026 26	
Fish of all kinds,	1,379 67	
Fruit and vegetables,	1,467 20	
Flour (800 barrels),	3,225 00	
Grain and meal for table,	337 60	
Tea, coffee and chocolate,	1,397 14	
Sugar and molasses,	1,945 61	
Grain and meal for stock,	3,567 10	
Butter and cheese,	5,215 58	
Other groceries,	1,412 65	
All other provisions,	1,837 47	
		<hr/>
		27,811 28
Clothing,		3,756 94
Fuel and lights,		8,257 50
Medicine and medical supplies,		1,223 74
Furniture, beds and bedding,		3,556 51
Transportation and travelling expenses,		380 75
Ordinary construction and repairs,		1,611 09
Farm stock,	\$1,144 39	
Farm supplies,	2,112 02	
Water,	1,609 59	
Minor expenses,	2,158 60	
Contingencies,	850 75	
		<hr/>
		7,875 35
Total current expenses,		\$94,827 32
Extraordinary expenses,	\$12,505 91	
Cash refunded patients,	640 89	
		<hr/>
		13,146 80
		<hr/>
		\$107,974 12
Cash on hand Sept. 30, 1897,		1,866 11
		<hr/>
		\$109,840 23

RESOURCES.

Cash on hand,	\$1,866 11
Due from Commonwealth,	2,155 68
from cities and towns,	16,542 90
from individuals,	6,212 31
	<hr/>
	\$26,777 00

LIABILITIES.

Salaries and wages due Oct. 1, 1897,	\$3,043 15
Miscellaneous bills due,	12,497 20
Patients' money,	716 88
	<hr/>
	\$16,257 23

SUMMARY.

Total receipts,	\$109,840 23
Total payments,	107,974 12
Cash on hand Sept. 30, 1897,	<u>\$1,866 11</u>
Total liabilities,	\$16,257 23
Total debts due institution,	26,777 00
Total expenditures,	107,974 12
Deducting from the total expenditure,	\$107,974 12
The extraordinary expenses,	\$12,505 91
Cash refunded patients,	640 84
	<u>13,146 80</u>
We have the current expenses,	<u>\$94,827 32</u>
Deducting from current expenses the increase of personal assets,	\$549 15
And officers' salaries formerly paid the follow- ing year,	1,371 49
	<u>\$1,920 64</u>
We have the annual cost of each patient,	170 62
Making the average weekly cost,	3 27

LEWIS F. BABBITT,

Treasurer.

We have examined, as auditors, the accounts of the treasurer, and found a satisfactory voucher for every entry.

A. C. DEANE,

L. D. JAMES,

Auditors.

FINANCIAL STATEMENT.

Amount of appropriation remaining Sept. 30, 1896, . . . \$14,502 18

Drawn by Brown & Bailey, on contract:—

Oct. 17, 1896, \$2,500 00

Nov. 14, 1896, 2,000 00

Dec. 14, 1896, 3,000 00

Feb. 15, 1897, 7,000 00

14,500 00

Balance, Oct. 1, 1897, \$2 18

LEWIS F. BABBITT,

Treasurer.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The report of the operations of the hospital for the year ending Sept. 30, 1897, is hereby presented.

There were 559 patients in the hospital Oct. 1, 1896. During the year 182 were admitted and 219 were discharged, leaving 522 at the end of the year.

The largest number present on any one day was 570 and the smallest number was 507. The daily average was 544.51. The number of patients supported by the State has diminished, while the number supported by friends and relatives has gradually increased.

The weekly averages of the different classes are: State patients, 64; town patients, 398; private patients, 81.

ADMISSIONS AND DISCHARGES.

The number of admissions, though smaller than in 1895 and 1896, is larger than in any previous year except when transfers were made from other State hospitals. The number that the hospital has to care for is increasing year by year. Analysis of the statistics shows the source of this increase. The poorer and less intelligent classes, especially those of foreign birth and parentage, and those subject to poverty and prone to the various forms of dissipation, furnish a majority of the cases. About 65 per cent. were of foreign parentage, and about 32 per cent. were of foreign birth. About 65 per cent. came from cities and large towns. In 50 cases intemperance and dissipation was a cause. Physiological degeneration due to old age was a factor in 23 cases.

On admission, prognosis was made of the probable chances of improvement in each case. The year was rather discouraging for a good showing. There seemed to be reasonable hopes of marked improvement in 59 cases, with expectations of recov-

ery in a much smaller number. There were 47 cases classed as doubtful, and in 76 cases there was little hope of improvement. Results show that the above, though not exact, was a fair estimate.

In only 46 of those admitted for the first time had the insanity existed less than three months, and in more than 50 cases the duration on admission was a year or more. There were 109 who had forms of mental trouble from which recovery is not expected.

Dr. Holmes has made a table of all the recoveries from the opening of the hospital, showing the duration of hospital residence. There were 1,292 recoveries, of which number 1,133 recovered within a year of admission. The following table shows the result by months:—

First month,	111
Second month,	198
Third month,	190
Fourth month,	176
Fifth month,	120
Sixth month,	94
Seventh month,	73
Eighth month,	60
Ninth month,	35
Tenth month,	31
Eleventh month,	21
Twelfth month,	24

A similar table of the same cases shows the great influence the duration of insanity before admission has upon the prospects of recovery. Of the 1,292 recoveries, insanity had existed:—

One week or less,	in 217 cases.
From one week to one month,	in 217 cases.
From one month to three months,	in 224 cases.
From three months to six months,	in 97 cases.

The duration before admission was unknown in 21 per cent. Of the known cases, the insanity had existed one week or less in 16 per cent., one month or less in 33 per cent. and three months or less in 50.9 per cent.

Sixty-one of those discharged within the year were transferred to Medfield Asylum, 15 were removed from the State

by the Board of Lunacy and Charity, 16 went to almshouses and 82 returned to their homes, many of them to resume their former occupations. Thirty-one were allowed to go home on trial visit, of whom 8 returned.

RECOVERIES AND DEATHS.

Of those discharged, 30 were classed as recovered. The number of recoveries depends largely upon the class of cases admitted, and to a certain degree upon the judgment of the person making the diagnosis. This hospital has always been conservative in returning cases as recovered, even in cases apparently rational at the time of leaving the hospital, if there seemed a liability of a return of the trouble before long. Within the past year 10 patients have left the hospital rational and able to resume their usual work, who might have been classed as recoveries but were not, and of the much-improved and improved cases at least 26 have returned to their homes able to support themselves, wholly or in part. Many of these are considered well by their friends and are so reported to us.

The most common measure of the work of a hospital, because the most easily appreciated, is the percentage of recoveries, — a very poor gauge.

Often a brain that has yielded to some stress, there being no special predisposition to insanity and the trouble being of short duration, returns to its normal condition without other treatment than the removal of causes and placing the patient in favorable environments.

The functions of the hospital are threefold at least: to help those who may recover; to act as custodian of those cases dangerous to themselves or to others if at liberty; and to care for those who are helpless, whose friends cannot care for them, and who will be a burden till death. The column showing the number of deaths undoubtedly represents far more care and true hospital work than does the list of recoveries. Cases that would at home suffer neglect, perhaps uncomplainingly because the weakened intellect could not appreciate it, pass their last days comfortably in the hospital, being kept tidy, well fed and warmed, with proper medical attention and nursing.

Of the 45 who died, 38 were destined to remain here till death came as release. Several who were brought here, with

the knowledge on the part of their relatives that they could live but a month or two, might have been kept at home if their friends had possessed a realizing sense of duty and justice.

Twelve of the persons who died were over seventy years old when admitted, and 20 were over sixty years old, averaging seventy-two years. At the time of death, 23, or more than half, were over sixty years old, and 11, or 25 per cent., were over eighty years old. One had lived here about thirty-eight years, 1 thirty-two years and 1 nineteen years. Only 3 persons died who were suffering from acute mental trouble, and in 2 of these tuberculosis, the cause of death, was also the cause of insanity.

MEDICAL WORK.

Insane people are entitled to the greatest consideration and the most careful attention. Experience shows that special attention given to an individual case is usually followed by improvement, and the chances of recovery are increased. Though the State hospitals must always remain, in large part, asylums, they are yearly approaching the type of true hospitals. There has been much progress in this line within a few years.

Our medical staff is devoting much care to the new cases and to those whose mental condition offers any prospect of improvement. On admission a careful examination is made of each patient, and one of the staff is expected to spend some time with the patient, becoming acquainted with his condition and peculiarities, and making him feel at home as much as possible. Urinary analyses and examinations of the blood are made in every case as soon after admission as possible, and as frequently thereafter as necessary.

Patients suffering from acute mental troubles and those in any degree exhausted are at once put to bed, cared for by nurses who devote their whole time to two or three such cases.

The much-needed training school for nurses has been delayed, but instruction has been given daily at the bedside, where it is put to immediate use. A course of general instruction is to be given as soon as arrangements now under way can be perfected.

A better system of making records has grown up in the last two or three years. A full history of the case is obtained of

friends at the time of admission or as soon after as possible, and for the first few weeks daily notes are made. On discharge a summary is entered in the case book.

There are manifold duties besides purely medical work required of the assistants, such as supervision and inspection, directing amusements and devising employment, so that little time is left for medical study. To relieve them and to allow more time for professional work, two internes were appointed, their terms of service beginning in July. They will do much of the routine ward work, will care for the dispensary and make systematic examinations and analyses.

Regular meetings of the staff will be held for consultation about all cases admitted and discharged, and to consider important matters that may arise.

Plans for infirmary wards are completed, but there is little expectation of their being built this coming year. Meanwhile, to facilitate the work, one ward on each wing will be fitted for the reception and observation of new cases, and one will be used as a sick ward.

Laboratory work is at present done under very unsatisfactory conditions. The changes which are expected to be made this year provide for a room well lighted and fitted for scientific work.

An idea prevails that hypnotics are freely used in the hospitals for insane. It has been our experience that in very few cases are such remedies useful or required. Sleep induced by drugs is followed by increased excitement usually. We never give anything to quiet chronic cases solely because they are noisy, because the relief is but temporary. Even in acute cases we do not worry at lack of sleep if the patient is taking and digesting a proper amount of nourishment.

Patients are frequently admitted in a very restless condition, still under the influence of drugs given at home, whose excitement soon subsides under the administration of baths and a proper amount of nourishment, with a good nurse to care for them; and usually under such conditions a sufficient amount of sleep is had in a day or two. The only drugs used as hypnotics in the past year have been bromides, trional and sulphonal. The doses are repeated but once or twice in each case, and altogether only a limited quantity has been used.

WORSHIP AND ENTERTAINMENTS.

Religious worship has been held every Sunday, the different clergymen from town kindly officiating. Four evenings during the week, till summer, assemblies have been held in chapel, consisting largely of music and reading, with an occasional lecture by one of the staff on some timely topic. There were the following entertainments during the year:—

Quadrille parties on	25 evenings.
Lectures on	2 evenings.
Ventriloquism and elocution on	3 evenings.
Concerts on	9 evenings.

THE FARM.

The farm has been productive, furnishing a large variety of fruits and vegetables, allowing a much more liberal dietary than could otherwise be given. This year, however, owing to the cool weather and frequent rains early in the summer, the crops in general did not mature so well as usual. While the supply of hay was the largest in the history of the institution, the apple and potato crops were very much smaller than usual. A table is annexed to the report, giving a list of farm products for the year.

A lot of land containing about six acres, which was formerly a wooded swamp, has been cleared, drained and cultivated. An adjoining portion will be cleared this year.

Before long a new barn will be required, the one now in use being old, unsafe, not large enough and poorly arranged, especially in the quarters for the cattle.

FINANCES.

The necessary weekly cost for each patient during the year was \$3.27. This sum is a little larger than for last year and somewhat smaller than the average for ten years past. The necessary expenses of operating the hospital remain about the same as last year, to be borne by a daily average number of patients smaller by 16 than last year. A more liberal diet has been allowed to the patients who work on the farm, and the special diet furnished the sick and feeble cases has added more to the cost of maintenance than usual; less generosity in this direction is not desirable.

ACKNOWLEDGMENTS.

By the generosity of Dr. Nims, who contributed the larger part of the expense, a fine pipe organ was placed in the chapel as a memorial of the late Mrs. Nims. It is of beautiful design, the decoration harmonizing with its surroundings. Its tone is sweet and full, adding greatly to the entertainment and worship. It is highly appreciated by every one connected with the hospital, and will be a perpetual source of pleasure.

We have also to acknowledge the gift, from one of the trustees, of a fine flag to be displayed on public holidays and special occasions.

During the year the choir boys of St. John's church, under the leadership of Mr. A. Locke Norris, have given two musical entertainments, repeating the Christmas and Easter services.

We are indebted to the Parenteau Family and to Mr. Franks' orchestra for concerts which were much enjoyed.

We have received regularly copies of the "New England Staaten Zeitung," "The Christian Register" and "The Berkshire County Eagle," for which we thank the publishers.

I cheerfully commend my associates for their faithfulness to duty and for their active interest in the welfare of the hospital. To your Board I express my appreciation of your support and counsel.

JOHN A. HOUSTON.

DIETARY OF THE NORTHAMPTON LUNATIC HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about two hundred persons, and the second to those of somewhat over three hundred.]

BILL OF FARE No. 1.

BREAKFAST.

- Monday.* — Tea, coffee, broiled beefsteak, potatoes, warm rolls ("biscuit"), bread and butter.
- Tuesday.* — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.
- Wednesday.* — Tea, coffee, broiled beefsteak, potatoes and warm brown (rye and Indian) bread.
- Thursday.* — Tea, coffee, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.
- Saturday.* — Tea, coffee, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, cold corned beef, potatoes, warm rolls, bread, butter and fried Indian corn pudding.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable,† bread, butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal,‡ potatoes and one other vegetable,† bread, butter and baked Indian pudding.
- Wednesday.* — Either fried or baked fresh fish or boiled mutton, potatoes and one other vegetable,† bread, butter and berry or apple pudding, with sauce.§
- Thursday.* — Vegetable soup, corned beef, potatoes and one other vegetable,† bread, butter and boiled suet pudding with syrup.

* Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

† At least three vegetables during the summer.

‡ Substituted in winter by fresh pork ribs, roasted.

§ In spring, maple syrup is used as sauce for puddings.

Friday. — Either boiled or roasted mutton* or stewed or roasted veal, potatoes and one other vegetable,† bread, butter and tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable,‡ pickles, bread, butter and baked bread pudding.

Sunday. — Cold corned beef, potatoes, warmed baked beans, pickles, bread, butter and pies, the kind varying with the season.

SUPPER.

Monday. — Tea, bread, warm corn cake, butter, hard gingerbread and a relish.‡

Tuesday. — Tea, white bread, graham bread, butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.

Wednesday. — Tea, bread, butter, pie (the kind varying with the season) and ginger snaps and a relish.

Thursday. — Tea, bread, butter, cookies and cheese.

Friday. — Tea, bread, butter, cake (the kind varying) and a relish.

Saturday. — Tea, bread, butter, doughnuts and cheese.

Sunday. — Tea, bread, butter, cookies and ginger snaps and blanc-mange or corn starch.

Extra. — In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, cold corned beef, potatoes and bread.

Tuesday. — Coffee, cold roast beef, potatoes and bread.

Wednesday. — Coffee, meat stew, potatoes and warm rye and Indian corn brown bread.

Thursday. — Coffee, picked codfish cooked in milk, potatoes and bread.

Friday. — Coffee, cold corned beef or meat stew, potatoes and bread.

Saturday. — Coffee, hash, either of meat or fish, and bread.

Sunday. — Coffee, cold baked beans, potatoes and bread.

Butter is used in two halls in the morning.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,† boiled hominy with molasses and bread.

* Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

† At least three vegetables during the summer.

‡ This term, used for the want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruits, all of which are supplied, and each according to the season.

Tuesday.—Vegetable soup, potatoes and one other vegetable,* baked Indian pudding † and bread.

Wednesday.—Boiled fresh fish with drawn-butter sauce, potatoes and one other vegetable,* boiled hasty pudding with molasses and bread.

Thursday.—Vegetable soup, potatoes, cabbage or some other vegetable,* boiled rice with molasses ‡ and bread.

Friday.—Boiled codfish with drawn-butter sauce, potatoes, beets or some other vegetable, boiled hasty pudding with molasses and bread.

Saturday.—Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday.—Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday.—Tea, bread and butter.

Tuesday.—Tea, bread, butter and soft gingerbread.

Wednesday.—Tea, bread, butter and some kind of relish.

Thursday.—Tea, bread and butter.

Friday.—Tea, bread, butter and soft gingerbread.

Saturday.—Tea, bread and butter, sauce.

Sunday.—Tea, bread and butter.

EXTRAS.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In four halls, sauce, of either fresh or dried apples, is furnished as often as three times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five bushels of green sweet corn in the ear is consumed in its season, daily, with the exception of Sunday.

Tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horse-radish as a condiment.

During eight months of the year apples are distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast, milk toast, toast with dropped egg and boiled eggs, for invalids and all who are not able to take the regular fare.

* At least three vegetables in the summer.

† All baked puddings for the whole household are made with milk.

‡ Maple syrup is furnished, in place of molasses, three or four times in the spring.

STATISTICAL TABLES.

1. — General Statistics of the Year.

	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1896,	292	267	559
Admitted within the year,	96	86	182
Whole number of cases within the year,	388	353	741
Viz.: insane,	387	351	738
voluntary,	1	—	1
dipsomaniac and opium habit,	—	2	2
Discharged within the year,	120	99	219
Viz.: as recovered at time of leaving the hos- pital,	16	14	30
as much improved,	12	9	21
as improved,	17	18	35
as not improved,	48	38	86
as dipsomania and opium habit,	—	2	2
Deaths,	27	18	45
Patients remaining Sept. 30, 1897,	268	254	522
Viz.: supported as State patients,	36	17	53
supported as town patients,	193	189	382
supported as private patients,	39	48	87
Number of different persons within the year,	385	350	735
Persons admitted,	95	85	180
Persons recovered,	16	14	30
Daily average number of patients,	284.56	259.95	544.51
Viz.: State,	44.12	20.20	64.32
town,	204.11	194.54	398.65
private,	36.33	45.21	81.54

2. — *Monthly Admissions, Discharges and Averages.*

MONTHS.			ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
			Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1896.														
October, .	.	.	8	12	20	3	4	7	5	1	6	291.09	269.54	560.63
November, .	.	.	9	7	16	5	6	11	3	1	4	292.07	274.23	566.30
December, .	.	.	2	10	12	3	4	7	4	3	7	291.42	275.80	567.22
1897.														
January, .	.	.	8	2	10	5	1	6	1	1	2	289.00	276.35	565.35
February, .	.	.	8	6	14	8	5	13	-	1	1	290.32	275.43	565.75
March, .	.	.	7	4	11	3	34	37	4	1	5	289.35	246.87	536.22
April, .	.	.	8	9	17	8	1	9	2	1	3	291.63	250.80	542.43
May, .	.	.	11	9	20	6	10	16	3	2	5	291.16	252.77	543.93
June, .	.	.	11	4	15	3	8	11	1	1	2	294.96	247.00	541.96
July, .	.	.	12	10	22	41	3	44	-	2	2	264.06	248.64	512.70
August, .	.	.	6	6	12	7	4	11	2	2	4	263.48	248.55	512.03
September, .	.	.	6	7	13	2	1	3	2	2	4	266.23	253.47	519.70
Total of cases, .	.	.	96	86	182	93	81	174	27	18	45	-	-	-
Total of persons, .	.	.	95	85	180	92	80	172	-	-	-	-	-	-
Daily average, .	.	.	-	-	-	-	-	-	-	-	-	284.56	259.95	544.51

3 — *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	77	70	147	—	—	—
Second,	13	12	25	4	4	8
Third,	4	2	6	2	2	4
Fourth,	1	2	3	—	2	2
Seventh,	1	—	1	5	—	5
Total of cases, . . .	96	86	182	11	8	19
Total of persons, . .	95	85	180	6	6	12

4. — *Relation to Hospital of Persons admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane, . .	73	65	138
Former inmates of this hospital only, . .	19	14	33
of other hospitals only, . .	3	4	7
of this and other hospitals, . .	—	2	2
Total of persons,	95	85	180

5. — *Residence of Persons admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	19	18	37
Hampden County,	55	46	101
Berkshire County,	12	11	23
Franklin County,	9	9	18
Worcester County,	—	1	1
Totals,	95	85	180
Cities or towns,	64	52	116
Country districts,	31	33	64
Totals,	95	85	180

6. — *Nativity and Parentage of Persons admitted.*

PLACES OF NATIVITY.	PATIENTS.			PARENTS.					
	Ma.	Fe.	Tot.	MALES.		FEMALES.		TOTALS.	
				Fa.	Mo.	Fa.	Mo.	Fa.	Mo.
Maine,	1	2	3	1	1	3	1	4	2
New Hampshire, . .	1	1	2	3	2	1	1	4	3
Vermont,	3	4	7	1	3	2	3	3	6
Massachusetts, . .	45	34	79	25	23	21	22	46	45
Rhode Island, . .	—	—	—	1	—	—	—	1	—
Connecticut, . . .	3	2	5	3	3	5	1	8	4
New York,	2	11	13	—	2	4	6	4	8
New Jersey, . . .	—	—	—	1	—	—	—	1	—
Pennsylvania, . .	1	—	1	—	—	—	—	—	—
Ohio,	—	1	1	—	—	1	1	1	1
Maryland,	—	1	1	—	—	—	—	—	—
Canada,	8	6	14	9	9	8	10	17	19
England,	4	2	6	4	4	3	3	7	7
Scotland,	1	3	4	1	1	3	4	4	5
Ireland,	17	16	33	36	37	29	31	65	68
Germany,	4	1	5	4	4	1	1	5	5
Italy,	1	1	2	1	1	—	—	1	1
Austria,	—	—	—	—	—	1	1	1	1
Holland,	1	—	1	1	1	—	—	1	1
Sweden,	1	—	1	1	1	—	—	1	1
Armenia,	1	—	1	1	1	—	—	1	1
Belgium,	—	—	—	—	—	1	—	1	—
Switzerland, . . .	—	—	—	—	—	1	—	1	—
France,	1	—	1	1	1	—	—	1	1
Unknown,	—	—	—	1	1	1	—	2	1
Totals,	95	85	180	95	95	85	85	180	180

7. — *Civil Condition of Persons admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.			TOTAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	27	27	54	42	32	74	6	11	17	2	—	2	77	70	147
Second,	7	5	12	5	5	10	1	1	2	—	1	1	13	12	25
Third,	2	1	3	1	1	2	1	—	1	—	—	—	4	2	6
Fourth,	1	—	1	—	2	2	—	—	—	—	—	—	1	2	3
Seventh,	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Totals,	38	33	71	48	40	88	8	12	20	2	1	3	96	86	182

Overwork,	.		. .	2	-	2	2	26	43	2	13	15	31	11	42
Paralysis agitans,	.	1	.	1	-	1	1	-	1	-	-	-	-	-	-
Privation,,	.	-	.	1	-	1	1	-	1	-	-	-	-	-	-
Puerperal state,	.	-	.	5	-	1	1	-	1	1	-	1	-	-	-
Senility,	.	8	.	3	-	11	1	-	1	-	-	-	1	-	-
Syphilis,	.	2	.	4	-	2	1	-	1	-	-	-	1	-	1
Sunstroke,	.	2	.	3	1	1	1	-	1	-	-	-	-	-	-
Mental : — Business trouble,	.	1	.	1	-	1	-	-	-	-	-	-	-	-	-
Congenital,	.	3	.	6	-	3	-	-	-	-	-	-	-	-	-
Domestic trouble,	.	1	.	3	-	2	1	-	-	-	-	2	-	-	-
Anxiety, grief, worry, etc.,	.	4	.	10	1	6	1	1	2	2	-	-	1	-	1
Unknown, . . . ,	.	12	.	26	-	14	-	-	-	-	2	2	-	-	-
B.—NOT INSANE :															
Voluntary,	.	1	.	1	1	-	1	-	1	-	-	-	-	-	-
Dipsomania,	.	-	.	1	-	1	1	-	1	-	-	-	-	1	1
Opium habit,	.	-	.	1	-	1	1	-	1	-	-	-	-	-	-
Totals, . . . .	.	96	.	182	11	86	21	17	43	2	13	15	31	11	42

9. — Occupation of Persons admitted.

MALES.			
Actor,	1	Masons,	2
Bank watchman,	1	Mechanics,	2
Barber,	1	Merchant,	1
Blacksmiths,	2	Mill operatives,	8
Book-keeper,	1	Night watchman,	1
Brewer,	1	Painters,	4
Carpenters,	2	Paper makers,	3
Cigar maker,	1	Plasterer,	1
Clergyman,	1	Railroad employee, . . .	1
Farmers,	15	Salesman,	1
Gardener,	1	Shoemaker,	1
Hostler,	1	Soldiers,	2
Inspector (U. S. Armory), .	1	Spinner,	1
Laborers,	26	Steam fitter,	1
Lawyer,	1	Student,	1
Lithographer,	1	Teamsters,	5
Lumberman,	1	No occupation,	1
Marble worker,	1	Total,	95

FEMALES.			
Clerk,	1	"Housework,"	8
Domestics,	7	Mill operatives,	7
Dressmakers,	2	Paper finisher,	1
Housekeeper,	1	Stenographer,	1
"Housewives,"	27	No occupation,	18

WIFE OF			
Brass moulder,	1	Mechanic,	1
Carpenter,	3	Merchant,	2
Farmer,	1	Painter,	1
Laborer,	4	Total,	85

10. — Record of Cases admitted within the Year.

PATIENTS.	Males.	Females.	Totals.
Admitted,	96	86	182
Insane,	95	84	179
Voluntary,	1	—	1
Dipsomania and opium habit,	—	2	2
Discharged recovered,	13	7	20
much improved,	6	3	9
improved,	9	3	12
not improved,	4	7	11
dipsomania and opium habit,	—	2	2
Died,	8	6	14
Remaining Sept. 30, 1897,	56	58	114
Number likely to recover or improve,	16	18	34

11. — *Ages of Insane at First Attack, Admissions and Deaths.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.						PERSONS DIED.					
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	1	2	3	-	-	-	-	-	-	-	-	-
15 years and less, . . .	1	2	3	-	-	-	-	-	-	-	-	-
From 15 to 20 years, . .	-	6	6	-	8	8	1	-	1	-	-	-
20 to 25 years, . . .	8	6	14	7	5	12	2	1	3	-	-	-
25 to 30 years, . . .	5	6	11	13	7	20	-	1	1	2	1	3
30 to 35 years, . . .	6	6	12	8	7	15	3	2	5	1	-	1
35 to 40 years, . . .	6	8	14	6	6	12	3	1	4	3	1	4
40 to 50 years, . . .	9	14	23	13	16	29	3	4	7	4	2	6
50 to 60 years, . . .	13	6	19	12	10	22	4	3	7	3	5	8
60 to 70 years, . . .	9	4	13	10	5	15	4	1	5	6	2	8
70 to 80 years, . . .	4	1	5	7	5	12	4	3	7	7	3	10
Over 80 years,	-	1	1	1	1	2	-	2	2	1	4	5
Unknown,	15	8	23	-	-	-	3	-	3	-	-	-
Total of persons, . .	77	70	147	77	70	147	27	18	45	27	18	45
Mean ages,	45.36	38.68	42.00	57.69	46.03	51.81	44.00	53.61	47.84	57.10	62.22	59.15

12. — *Reported Duration of Disease before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	1	2	3	2	-	2	3	2	5
Under 1 month,	14	9	23	3	2	5	17	11	28
From 1 to 3 months, . . .	11	12	23	1	2	3	12	14	26
3 to 6 months,	8	9	17	-	2	2	8	11	19
6 to 12 months,	11	6	17	1	-	1	12	6	18
1 to 2 years,	4	10	14	-	1	1	4	11	15
2 to 5 years,	13	6	19	5	5	10	18	11	29
5 to 10 years,	1	3	4	1	2	3	2	5	7
10 to 20 years,	4	3	7	2	1	3	6	4	10
Over 20 years,	1	1	2	2	-	2	3	1	4
"Years,"	1	1	2	-	1	1	1	2	3
Unknown,	8	8	16	2	-	2	10	8	18
Total of cases,	77	70	147	19	16	35	96	86	182
Total of persons,	77	70	147	19	15	34	96	85	181
Average in years,	2.52	2.35	2.53	6.58	3.13	5.29	3.32	2.47	2.92

13.—Form of Mental Disease in Cases admitted or discharged, with Condition on Discharge.

FORM OF DISEASE.	CASES ADMITTED.			CASES DISCHARGED.												AGGREGATE.									
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			Totals.	Males.	Females.	
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.				
A.—Insane:—																									
Mania, acute, . . .	14	10	24	5	5	10	3	1	3	4	1	5	1	1	1	—	—	—	1	4	5	2	13	8	21
chronic, . . .	7	8	15	—	—	—	2	1	3	2	5	7	16	31	—	—	—	—	—	—	—	9	23	27	50
recurrent, . . .	1	—	1	5	3	8	1	1	2	2	—	2	—	—	2	—	—	—	1	—	—	1	11	4	15
toxic, . . .	18	7	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>à potu</i> , . . .	1	—	1	3	4	7	1	4	5	4	2	6	1	1	2	—	—	—	—	—	2	10	13	23	33
Melancholia, acute, . . .	14	18	32	3	4	7	1	1	2	1	5	6	1	1	2	—	—	—	1	—	—	1	6	10	16
chronic, . . .	5	10	15	2	1	3	1	3	4	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
recurrent, . . .	1	2	3	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Dementia, primary, . . .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
secondary, . . .	4	6	10	—	—	—	—	—	—	—	2	2	11	10	21	—	—	—	2	5	7	5	13	15	28
senile, . . .	12	3	15	—	—	—	1	—	1	1	—	1	2	2	—	—	—	—	5	5	10	9	6	2	14
organic, . . .	6	1	7	—	—	—	—	—	—	1	—	1	1	1	1	—	—	—	—	—	1	6	6	2	8
Primary delusional insanity, . . .	1	10	11	—	—	—	1	—	1	1	1	2	2	4	6	—	—	—	1	—	—	1	5	5	10
Acute confusional insanity, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congenital mental deficiency, . . .	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Epilepsy, . . .	3	3	6	—	—	—	2	—	2	1	—	1	4	—	4	—	—	—	1	—	—	1	8	5	13
Paresis, . . .	3	2	5	—	—	—	—	—	—	1	1	1	7	4	11	—	—	—	—	—	1	6	7	2	9
Dipsomania, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5	—	—	—	1	1
Opium habit, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Total of cases, . . .	96	86	182	16	14	30	12	9	21	17	18	35	48	38	86	—	2	2	27	18	45	120	99	219	
Total of persons, . . .	95	85	180	16	14	30	12	9	21	17	18	35	48	38	86	—	2	2	27	18	45	120	99	219	
B.—																									
Opium habit, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

14. — Discharges, classified by Admission and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	15	12	27	4	5	9	16	16	32	38	25	63	—	—	—	24	14	38	97	72	169
Second,	1	1	2	6	4	10	—	1	1	9	10	19	—	2	2	1	3	4	17	21	38
Third,	—	1	1	1	—	1	—	1	1	—	2	2	—	—	—	1	—	1	2	4	6
Fourth,	—	—	—	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—	2	—	2
Fifth,	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	1	—	1	1	1	2
Seventh,	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Seventeenth,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	1	1
Total of cases,	16	14	30	12	9	21	17	18	35	48	38	86	—	2	2	27	18	45	120	99	219
Total of persons,	16	14	30	12	9	21	17	18	35	48	38	86	—	2	2	27	18	45	120	99	219

15. — *Causes of Death.*

CAUSES.	Males.	Females.	Totals.
Nervous system : —			
Exhaustion of mania, acute,	—	1	1
mania, chronic,	3	1	4
melancholia, acute,	—	1	1
dementia, senile,	4	1	5
dementia, post-paralytic,	2	—	2
Organic brain disease,	1	1	2
Organic brain disease and shock,	1	—	1
Paralysis agitans and chronic melancholia,	1	—	1
Alcoholic insanity and heart disease,	1	—	1
Apoplexy,	3	2	5
Epilepsy,	1	—	1
Paresis,	5	—	5
Respiratory system : —			
Pneumonia,	—	2	2
Pulmonary tuberculosis,	3	3	6
Circulatory system : —			
Heart disease,	2	2	4
General : —			
Necrosis,	—	1	1
Senility,	—	2	2
Uræmia,	—	1	1
Totals,	27	18	45

16. — Recoveries, classified by Duration of Disease and of Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month,	6	4	10	2	—	2	1	—	1	2	—	2
From 1 to 3 months,	2	6	8	9	7	16	5	3	8	9	7	16
3 to 6 months,	3	3	6	4	3	7	3	4	7	3	3	6
6 to 12 months,	1	—	1	1	3	4	3	5	9	2	3	5
1 to 2 years,	—	—	—	—	1	1	2	2	4	—	1	1
2 to 5 years,	1	—	1	—	—	—	1	—	1	—	—	—
5 to 10 years,	—	—	—	—	—	—	—	—	—	—	—	—
10 to 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Unknown,	3	1	4	—	—	—	3	2	—	—	—	—
Totals,	16	14	30	16	14	30	16	14	30	16	14	30
Average of known cases (in months),	4.92	1.92	3.76	2.87	4.14	3.46	4.69	6.41	5.48	7.62	5.92	6.83
										3.12	4.85	3.93

17. — Deaths, classified by Duration of Disease and Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month,	2	1	3	3	3	6	1	1	2	1	1	2
From 1 to 3 months,	5	1	6	4	2	6	3	3	6	3	3	6
3 to 6 months,	2	3	5	3	—	3	1	1	2	2	—	2
6 to 12 months,	3	3	6	3	3	6	6	3	9	4	2	6
1 to 2 years,	2	5	7	4	1	5	1	1	2	3	2	5
2 to 5 years,	4	4	8	5	3	8	5	5	10	6	3	9
5 to 10 years,	2	—	2	3	3	6	5	2	7	4	2	6
10 to 20 years,	1	1	2	—	3	3	1	4	5	3	4	7
Over 20 years,	2	—	2	2	—	2	2	2	4	3	—	3
Unknown,	4	—	4	—	—	—	4	—	4	—	—	—
Totals,	27	18	45	27	18	45	27	18	45	27	18	45
Average of known cases (in months),	58.34	32.16	45.93	50.33	53.88	51.75	90.86	86.11	84.65	93.14	79.94	87.86
										51.33	57.88	53.95

18. — Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of Each Year's Admissions remaining Sept. 30, 1897.

YEARS ENDING SEPT. 30.	NEW CASES (FIRST ADMISSION).																	
	ADMITTED.			DISCHARGED AND DIED IN 1896-97.														
	Males.	Females.	Totals.	RECOVERED.		MUCH IMPROVED.		IMPROVED.		NOT IMPROVED.		NOT INSANE.		DIED.				
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
1858,—2 months,	99	129	228														1	1
1858-59,	42	46	88															
1859-60,	66	91	157															
1860-61,	58	46	104															
1861-62,	51	43	94															
1862-63,	56	57	113															
1863-64,	35	30	65															
1864-65,	54	55	109															
1865-66,	66	52	118															
1866-67,	42	69	111															
1867-68,	54	71	125															
1868-69,	72	64	136															
1869-70,	80	103	183															
1870-71,	93	88	181														1	1
1871-72,	83	85	168														1	1
1872-73,	89	69	158															
1873-74,	86	69	155															
1874-75,	61	62	123														2	
1875-76,	63	63	126														2	

[illegible]

1877-78,	.	.	.	.	9	12	21											2	3
1878-79,	.	.	.	.	14	9	23											1	2
1879-80,	.	.	.	.	9	11	20											2	3
1880-81,	.	.	.	.	9	17	26											2	5
1881-82,	.	.	.	.	12	10	22											4	2
1882-83,	.	.	.	.	13	17	30											5	5
1883-84,	.	.	.	.	24	17	41											5	4
1884-85,	.	.	.	.	13	24	37											5	7
1885-86,	.	.	.	.	22	25	47											7	16
1886-87,	.	.	.	.	14	15	29											5	13
1887-88,	.	.	.	.	25	19	44											6	13
1888-89,	.	.	.	.	20	22	42											6	16
1889-90,	.	.	.	.	16	20	36											10	22
1890-91,	.	.	.	.	10	13	33											12	19
1891-92,	.	.	.	.	20	17	37											9	19
1892-93,	.	.	.	.	16	24	40											10	28
1893-94,	.	.	.	.	17	18	35											10	19
1894-95,	.	.	.	.	19	13	32											9	28
1895-96,	.	.	.	.	20	21	41											29	50
1896-97,	.	.	.	.	19	16	35											21	73
																		40	114
																		56	
																		2	
																		7	
																		4	
																		3	
																		23	
																		13	
																		10	
																		4	
																		3	
																		4	
																		1	
																		12	
																		4	
																		8	
																		3	
																		2	
																		1	
																		1,123	
																		553	
																		570	
Totals,	.	.	.	.	.	.	.											254	522

[illegible]

20. — Operations of the Hospital, from the Beginning, in Each Year.

	ADMITTED.			DISCHARGED AND DIED.												Whole Number of Cases in the Year.	Number of Patients at End of the Year.													
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.					NOT INSANE.			DIED.									
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			Males.	Females.	Totals.										
1858,—2 months,	99	129	228	-	-	-	4	-	4	2	2	4	2	2	4	-	-	-	-	-	-	-	-	-	-	228	220			
1858-59, . . .	46	47	93	18	15	33	9	9	18	7	5	12	7	5	12	7	12	19	7	12	19	7	12	19	7	12	313	231		
1859-60, . . .	73	94	167	19	16	35	12	10	22	2	2	4	2	2	4	-	-	-	-	-	-	-	-	-	-	398	310			
1860-61, . . .	71	53	124	18	17	35	14	14	28	4	7	11	4	7	11	-	-	-	-	-	-	-	-	-	-	30	434	330		
1861-62, . . .	64	48	112	19	15	34	27	15	42	9	5	14	4	3	7	1	-	-	-	-	-	-	-	-	-	10	19	442	332	
1862-63, . . .	70	68	138	12	16	28	16	10	26	4	3	7	4	6	10	-	-	-	-	-	-	-	-	-	-	7	26	470	383	
1863-64, . . .	47	45	92	30	19	49	19	15	34	4	4	8	4	6	10	1	1	2	17	30	47	475	334	-	-	47	475	334		
1864-65, . . .	70	64	134	17	16	33	14	15	29	8	5	13	8	5	13	-	-	-	17	24	41	468	352	-	-	41	468	352		
1865-66, . . .	75	61	136	16	10	26	12	7	19	5	2	7	5	2	7	-	-	-	18	13	31	488	405	-	-	31	488	405		
1866-67, . . .	61	77	138	24	18	42	15	13	28	6	7	13	6	7	13	-	-	-	23	24	47	543	413	-	-	24	47	543	413	
1867-68, . . .	68	84	152	21	19	40	22	27	49	5	7	12	5	7	12	-	-	-	25	18	43	565	421	-	-	18	43	565	421	
1868-69, . . .	84	85	169	31	18	49	23	33	56	20	38	58	20	38	58	-	-	-	13	12	25	590	402	-	-	12	25	590	402	
1869-70, . . .	90	112	202	23	27	50	15	43	58	22	34	56	22	34	56	-	-	-	2	22	11	33	604	405	-	-	11	33	604	405
1870-71, . . .	109	102	211	16	27	43	23	41	64	31	30	61	31	30	61	-	-	-	16	12	28	616	420	-	-	12	28	616	420	
1871-72, . . .	101	98	199	25	15	40	33	27	60	22	27	49	22	27	49	-	-	-	19	18	37	619	433	-	-	18	37	619	433	
1872-73, . . .	102	79	181	19	29	48	37	22	59	23	29	52	23	29	52	-	-	-	1	13	8	21	614	433	-	-	8	21	614	433
1873-74, . . .	105	88	193	25	12	37	24	19	43	27	18	45	27	18	45	-	-	-	14	11	25	626	476	-	-	11	25	626	476	
1874-75, . . .	75	78	153	16	13	29	21	24	45	17	21	38	17	21	38	-	-	-	23	18	41	629	476	-	-	18	41	629	476	
1875-76, . . .	76	77	153	19	13	32	18	31	49	24	23	47	24	23	47	-	-	-	18	19	37	629	464	-	-	19	37	629	464	
1876-77, . . .	68	71	139	15	18	33	8	13	21	15	17	32	15	17	32	-	-	-	21	21	42	603	475	-	-	21	42	603	475	

1877-78,	40	36	76	7	19	26	-	-	-	17	27	44	16	13	29	-	-	-	1	1	23	551	429		
1878-79,	63	43	106	13	13	26	-	-	-	15	13	28	11	3	14	-	-	-	1	2	14	9	535	442	
1879-80,	59	58	117	16	12	28	5	7	12	11	12	23	9	10	19	2	-	-	2	17	12	29	559	446	
1880-81,	57	66	123	7	13	20	6	7	13	15	15	30	6	10	16	1	-	-	1	16	10	26	569	468	
1881-82,	62	62	124	13	15	28	4	9	13	7	14	21	14	13	27	-	-	-	1	1	24	14	38	587	459
1882-83,	73	69	142	11	17	28	9	-	9	18	15	33	21	14	35	1	1	1	2	17	13	30	606	469	
1883-84,	61	75	136	9	16	25	6	11	17	16	19	35	16	20	36	3	1	4	1	12	13	25	605	463	
1884-85,	66	70	136	17	12	29	4	5	9	12	17	29	10	16	26	1	2	3	16	11	27	599	476		
1885-86,	85	98	183	10	19	29	8	2	10	23	36	59	20	23	43	1	-	1	1	14	12	26	659	491	
1886-87,	72	76	148	16	8	24	5	3	8	36	31	67	21	16	37	1	2	3	13	18	31	639	469		
1887-88,	87	79	166	23	13	36	3	6	9	25	22	47	12	17	29	2	-	2	14	17	31	635	481		
1888-89,	98	57	155	27	15	42	6	6	12	25	40	65	35	8	43	2	1	3	18	7	25	636	446		
1889-90,	91	79	170	18	14	32	5	9	14	17	17	34	12	5	17	1	2	3	12	9	21	616	495		
1890-91,	82	59	141	29	16	45	7	7	14	27	26	53	18	22	40	-	-	-	19	12	31	636	453		
1891-92,	102	75	177	16	21	37	9	10	19	13	8	21	15	8	23	3	-	3	29	9	38	630	489		
1892-93,	91	78	169	20	11	31	11	15	26	19	18	37	21	22	43	4	-	-	4	20	17	37	658	480	
1893-94,	89	83	172	20	12	32	7	7	14	11	17	28	14	22	36	1	-	1	26	11	37	652	504		
1894-95,	110	91	201	16	22	38	15	7	22	15	14	29	19	19	38	-	-	-	18	14	32	705	546		
1895-96,	114	95	209	23	13	36	8	6	14	19	20	39	19	41	60	-	-	1	1	28	18	46	755	559	
1896-97,	96	86	182	16	14	30	12	9	21	17	18	35	48	38	86	-	-	2	2	27	18	45	741	522	

22. — *Classified Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65,	225.10	48.16	69.83	343.25
1865-66,	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67,	261.96	49.46	89.75	401.17
1867-68,	262.65	47.92	103.06	413.63
1868-69,	248.52	54.98	101.46	404.96
1869-70,	236.19	65.04	107.23	408.46
1870-71,	234.10	77.07	118.38	429.55
1871-72,	226.96	89.57	112.27	428.80
1872-73,	248.02	99.23	90.00	437.25
1873-74,	284.48	102.88	82.06	469.42
1874-75,	274.35	128.34	72.46	475.15
1875-76,	259.19	146.02	68.94	474.15
1876-77,	254.84	161.58	60.02	476.44
1877-78,	211.90	175.71	54.75	442.36
1878-79,	200.34	182.29	54.23	436.86
1879-80,	197.03	198.01	54.46	450.50
1880-81,	180.82	214.15	57.19	452.15
1881-82,	166.84	238.25	56.52	461.61
1882-83,	161.62	247.63	57.58	466.83
1883-84,	155.10	251.23	56.06	462.39
1884-85,	154.44	261.58	59.82	475.84
1885-86,	140.23	270.52	63.61	474.36
1886-87,	122.78	289.38	66.00	478.16
1887-88,	112.17	294.01	64.01	470.19
1888-89,	104.67	303.01	61.31	468.99
1889-90,	96.86	311.17	62.07	470.10
<i>Daily Average.</i>				
1890-91,	90.71	297.78	68.51	457.00
1891-92,	85.64	309.42	74.03	469.09
1892-93,	75.83	338.72	65.71	480.26
1893-94,	83.50	339.83	70.68	494.11
1894-95,	80.87	376.02	69.67	526.56
1895-96,	81.57	403.15	75.77	560.49
1896-97,	64.32	398.65	81.54	544.51

23. — *Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1897.*

OFFICIAL YEAR.	Whole No. of Patients.	Daily Average No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Average No. of Patients.
			Men.	Women.	Totals.		
1858-59, . .	313	229.55	7	12	19	6.07	8.27
1859-60, . .	398	255.96	9	18	27	6.78	10.54
1860-61, . .	434	314.26	15	15	30	6.91	9.54
1861-62, . .	442	313.80	9	10	19	4.29	6.05
1862-63, . .	470	355.28	19	7	26	5.53	7.31
1863-64, . .	475	357.63	17	30	47	9.89	13.14
1864-65, . .	469	342.40	17	24	41	8.76	11.97
1865-66, . .	488	376.35	18	13	31	6.35	8.23
1866-67, . .	543	401.03	23	24	47	8.65	11.71
1867-68, . .	565	413.41	25	17	43	7.61	10.40
1868-69, . .	590	405.10	13	12	25	4.23	6.17
1869-70, . .	604	408.83	22	11	33	5.46	8.07
1870-71, . .	616	421.90	16	12	28	4.54	6.64
1871-72, . .	619	428.72	19	18	37	5.97	8.63
1872-73, . .	614	437.23	13	8	21	3.42	4.80
1873-74, . .	626	469.54	14	11	25	3.99	5.32
1874-75, . .	629	475.35	23	18	41	6.52	8.62
1875-76, . .	629	474.21	18	19	37	5.88	7.80
1876-77, . .	603	476.16	21	21	42	6.96	8.82
1877-78, . .	551	442.43	14	9	23	4.17	5.19
1878-79, . .	535	436.73	14	9	23	4.29	5.27
1879-80, . .	559	450.51	17	12	29	5.19	6.44
1880-81, . .	569	451.79	16	10	26	4.57	5.75
1881-82, . .	587	461.66	24	14	38	6.47	8.23
1882-83, . .	606	466.76	17	13	30	4.95	6.42
1883-84, . .	605	463.05	12	13	25	4.13	5.39
1884-85, . .	599	475.94	16	11	27	4.51	5.67
1885-86, . .	659	474.40	14	12	26	3.94	5.48
1886-87, . .	639	478.55	13	18	31	4.85	6.47
1887-88, . .	635	470.25	14	17	31	4.88	6.59
1888-89, . .	636	469.10	18	7	25	3.93	5.32
1889-90, . .	616	470.50	12	9	21	3.40	4.46
1890-91, . .	636	457.00	19	12	31	4.87	6.78
1891-92, . .	630	469.09	29	9	38	6.03	8.10
1892-93, . .	658	480.26	20	17	37	5.62	7.70
1893-94, . .	652	494.11	26	11	37	5.67	7.48
1894-95, . .	705	526.56	18	14	32	4.53	6.07
1895-96, . .	755	560.49	28	18	46	6.09	8.21
1896-97, . .	741	544.51	27	18	45	6.07	8.26

24.—Days' Work by Patients.

MONTHS.	FARM.	KITCHEN.			SEWING-ROOM.	LAUNDRY.		
	Men.	Men.	Women.	Totals.	Women.	Men.	Women.	Totals.
1896.								
October, . . .	693	124	153	277	343	92	381	473
November, . . .	613	120	172	292	352	90	398	488
December, . . .	607	124	223	347	339	98	430	528
1897.								
January, . . .	571	124	227	351	408	94	474	568
February, . . .	543	112	214	326	449	88	451	539
March, . . .	587	124	213	337	518	97	469	566
April, . . .	593	120	253	373	474	92	449	541
May, . . .	623	124	296	420	419	92	473	565
June, . . .	657	217	193	410	367	95	502	597
July, . . .	679	248	218	466	421	100	526	626
August, . . .	662	235	217	452	413	107	495	602
September, . . .	678	243	240	483	352	115	366	481
Totals, . . .	7,406	1,915	2,619	4,534	4,855	1,160	5,414	6,574

25. — List of Articles made in the Sewing-room.

Aprons,	522	Night dresses,	104
Bureau covers,	139	Ox blankets,	4
Chemises,	173	Pillow cases,	746
Curtains,	93	Pillow ticks,	207
Camisoles,	23	Roller towels,	490
Clothes bags,	92	Skirts,	135
Carpet strips,	56	Shirts,	567
Carpeting, yards,	112	Sheets,	1,157
Caps,	583	Spreads hemmed,	55
Dresses,	342	Strong suit,	1
Drawers,	82	Suspenders, pairs,	199
Feather ticks,	5	Towels,	1,284
Hats trimmed,	22	Tablecloths,	97
Jumpers,	5	Underwaists,	21
Mattress ticks,	179	Wash cloths,	50
Napkins,	159	Articles repaired,	22,030

26. — Upholstery done in the Year.

Hair mattresses made, new material,	38
Hair mattresses made, new ticks,	135
Hair mattresses made, old material,	54
Hair pillows made, new material,	42
Hair pillows made, new ticks,	37
Hair pillows made, old material,	62

The annexed table gives the annual product of hay : —

1864, estimated,	. . .	40 tons.	1881, weighed,	. . .	213 tons.
1865, “	. . .	62 “	1882, “	. . .	170 “
1866, “	. . .	42 “	1883, “	. . .	197 “
1867, weighed,	. . .	82 “	1884, “	. . .	174 “
1868, “	. . .	86 “	1885, “	. . .	251 “
1869, “	. . .	91 “	1886, “	. . .	269 “
1870, “	. . .	74 “	1887, “	. . .	302 “
1871, “	. . .	75 “	1888, “	. . .	305 “
1872, “	. . .	91 “	1889, “	. . .	331 “
1873, “	. . .	84 “	1890, “	. . .	336 “
1874, “	. . .	120 “	1891, “	. . .	295 “
1875, “	. . .	100 “	1892, “	. . .	315 “
1876, “	. . .	111 “	1893, “	. . .	262 “
1877, “	. . .	154 “	1894, “	. . .	289 “
1878, “	. . .	179 “	1895, “	. . .	364 “
1879, “	. . .	144 “	1896, “	. . .	328 $\frac{1}{4}$ “
1880, “	. . .	154 “	1897, “	. . .	446 “

The annexed table gives the annual product of pork : —

1865,	6,265 pounds.	1882,	14,414 pounds.
1866,	5,443 “	1883,	15,612 “
1867,	7,416 “	1884,	10,192* “
1868,	7,791 “	1885,	17,544 “
1869,	8,469 “	1886,	21,503 “
1870,	7,447 “	1887,	26,331 “
1871,	7,863 “	1888,	18,465 “
1872,	11,366 “	1889,	19,227 “
1873,	10,511 “	1890,	25,189 “
1874,	12,024 “	1891,	32,621 “
1875,	12,693 “	1892,	31,074 “
1876,	12,467 “	1893,	23,505 “
1877,	13,605 “	1894,	21,873 “
1878,	14,451 “	1895,	15,718* “
1879,	13,569 “	1896,	31,163 “
1880,	14,729 “	1897,	41,374 “
1881,	15,610 “		

* Quantity diminished by disease.

Farm Products in 1897.

Hay (first growth), 320 tons, . \$3,840 00	Egg plant, 1½ dozen, . . . \$0 90
Hay (second growth), 123 tons, 1,476 00	Asparagus, 47 bushels, . . . 139 00
Hay (second quality), 3 tons, . 18 00	Pie plant, 151½ bushels, . . . 114 60
Corn fodder, 17 tons, . . . 85 00	Spinach, 107½ bushels, . . . 83 25
Ensilage, 125 tons, . . . 437 50	Cabbage, 3,750 heads, . . . 112 50
Straw, 12 tons, . . . 144 00	Celery, 2,500 heads, . . . 75 00
Corn, 265 bushels, . . . 106 00	Apples, 328 barrels, . . . 656 00
Broom brush, 900 pounds, . 45 00	Pears, 12 bushels, . . . 9 00
Broom seed, 45 bushels, . . 18 00	Quinces, 24 bushels, . . . 18 00
Rye, 135 bushels, . . . 54 00	Watermelons, 1,100 pounds, . 11 00
Oats, 80 bushels, . . . 24 00	Muskmelons, 1,248 pounds, . 12 48
Beans, 35 bushels, . . . 35 00	Currants, 7½ bushels, . . . 18 75
Beans, 142 bushels, . . . 106 50	Milk, 180,744 quarts, . . . 9,037 20
Potatoes, 1,245 bushels, . . 996 00	Eggs, 312 dozen, . . . 88 40
Carrots, 210 bushels, . . . 85 00	Beef, 12,397 pounds, . . . 717 43
Beets, 220 bushels, . . . 110 00	Veal, 645 pounds, . . . 64 50
Onions, 416 bushels, . . . 250 00	Pork, 41,374 pounds, . . . 1,859 93
Turnips, 650 bushels, . . . 260 00	Pigs (roast), 3, . . . 7 50
Parsnips, 60 bushels, . . . 36 00	Pigs sold, 305, . . . 775 00
Sugar beets, 350 bushels, . . 70 00	Chickens, 681, . . . 136 30
Beans (string), 16½ bushels, . 8 25	Calves sold, 21, . . . 61 50
Sweet corn, 252 bushels, . . 125 00	Cider, 20 barrels, . . . 51 20
Pease, 194 bushels, . . . 194 00	Wood, 11 cords, . . . 22 00
Cucumbers, 68 bushels, . . . 34 00	Wood sold, 3½ cords, . . . 10 50
Squash (summer), 86 bushels, . 43 00	Ice, 500 tons, . . . 500 00
Squash (winter), 1 ton, . . . 30 00	Posts, 48, . . . 9 60
Swiss chard, 59 bushels, . . . 29 50	Husks, 1 ton, . . . 10 00
Lettuce, 111 bushels, . . . 111 00	Lumber, 4 M, . . . 48 00
Tomatoes, 155 bushels, . . . 77 50	

27. — *Trustees of the Northampton Lunatic Hospital.*

NAMES.	Residence.	When app'ted.	Service ended.	From What Cause
Charles E. Forbes,* . .	Northampton, . .	1856	1857	Term expired.
Lucien C. Boynton,* . .	Uxbridge, . . .	1856	1858	Term expired.
Eliphalet Trask,* . .	Springfield, . .	1856	1875	Term expired.
John C. Russell,* . .	Great Barrington, .	1856	1859	Resigned.
Horace Lyman, . . .	Greenfield, . . .	1856	1857	Removed.
Charles Smith,* . . .	Northampton, . .	1857	1860	Resigned.
Luther V. Bell,* . . .	Somerville, . . .	1857	1859	Resigned.
Zebina L. Raymond,* .	Greenfield, . . .	1858	1859	Resigned.
Franklin Ripley,* . .	Greenfield, . . .	1859	1860	Died in office.
Edward Dickinson,* . .	Amherst, . . .	1859	1864	Resigned.
Walter Lafin,* . . .	Pittsfield, . . .	1859	1866	Term expired.
Silas M. Smith,* . . .	Northampton, . .	1860	1863	Term expired.
Charles Allen, . . .	Greenfield, . . .	1860	1861	Resigned.
Alfred R. Field,* . . .	Greenfield, . . .	1861	1864	Resigned.
Edward Hitchcock, . .	Amherst, . . .	1863	1879	Resigned.
Silas M. Smith,* . . .	Northampton, . .	1864	1887	Died in office.
Edmund H. Sawyer,* .	Easthampton, . .	1864	1879	Died in office.
Henry L. Sabin,* . . .	Williamstown, . .	1866	1876	Term expired.
Adams C. Deane, . . .	Greenfield, . . .	1875	—	Still in office.
Henry W. Taft, . . .	Pittsfield, . . .	1876	1893	Term expired.
William M. Gaylord, . .	Northampton, . .	1879	1883	Term expired.
Lyman D. James, . . .	Williamsburg, . .	1879	—	Still in office.
Christopher Merritt, . .	Springfield, . . .	1883	1888	Term expired.
Sarah A. Woodworth, .	Chicopee, . . .	1884	—	Still in office.
Sarah M. Butler, . . .	Northampton, . .	1884	—	Still in office.
John L. Otis,* . . .	Florence, . . .	1887	1890	Resigned.
N. A. Leonard,* . . .	Springfield, . . .	1888	1890	Died in office.
Alvan Barrus, . . .	Goshen, . . .	1890	—	Still in office.
Elisha Morgan, . . .	Springfield, . . .	1890	—	Still in office.
William D. MacInnes, .	Pittsfield, . . .	1893	—	Still in office.

* Deceased.

28. — *Officers and Employees.*

[Time employed Oct. 1, 1897.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	8	—	7
Charles M. Holmes, M.D., assistant physician,	8	2	21
Jane R. Baker, M.D., assistant physician,	5	1	28
Payn B. Parsons, M.D., medical interne,	—	1	26
William H. Coon, M.D., medical interne,	—	1	25
Lewis F. Babbitt, clerk and treasurer,	5	11	19
S. Emma Hines, matron,	2	3	4
John Mercier, farmer,	30	2	—
Walter I. Dodge, engineer,	2	5	—
Robert H. Gallivan, supervisor,	24	5	13
Lucy A. Gilbert, supervisor,	30	7	20
Amelia Seaman, assistant clerk,	—	3	—
Elizabeth Bycraft, assistant supervisor,	6	—	1
Jeremiah McKenna, steward,	3	5	15
George B. Walker, baker,	12	3	22
Bradamante Fairbanks, seamstress,	5	6	16
Chloe L. Egleston, laundress,	5	2	—
Charles E. Marshall, laundryman,	3	8	16
Mattie G. Jones, assistant seamstress,	5	10	16
Matilda Taylor, assistant laundress,	3	2	1
Mary A. Turner, assistant laundress,	—	2	14
Frank Melvin, assistant baker,	—	5	19
Martin V. B. Vance, attendant,	5	8	7
Samuel L. Williams, attendant,	5	3	4
Herbert R. Sears, attendant,	3	6	21
William Day, attendant,	3	8	16
Mitchell J. Darling, attendant,	2	11	8
Alpheus D. King, attendant,	2	5	24
Llewellyn D. Carey, attendant,	1	11	25
Frederick T. Elwell, attendant,	1	7	14
Edgar F. Haskins, attendant,	1	4	8
Forrest J. Buzzell, attendant,	—	11	12
Fred P. Wilson, attendant (night),	4	5	6
Lucius G. Wright, attendant,	2	4	12
Ernest V. Carpenter, night attendant,	1	10	1
William J. Moore, attendant,	—	11	4
James McCallum, attendant,	—	9	20
Glen E. Morse, attendant,	—	4	26
Herman C. Howes, attendant,	—	4	26
Adams H. Twitchell, attendant,	—	4	16
Maurice P. Toohey, attendant,	—	4	16
Jay E. Cook, attendant,	—	4	—
William H. Holden, attendant,	—	1	25
Leon C. Dickinson, attendant,	—	1	10
Phil S. Howes, attendant,	—	1	13
Fred S. Guilford, watchman,	1	3	8
Bridget Carey, attendant,	4	—	6
Mary J. Darling, attendant,	3	—	20
Inez D. Clark, attendant,	3	2	28
Amelia Clark, attendant,	2	5	3
Mary Morris, attendant,	1	9	29

28. — *Officers and Employees* — Concluded.

NAMES.	Years.	Months.	Days.
Alice Collins, attendant,	1	2	20
Lilla Hamm, attendant,	1	2	21
Mary Hall, attendant,	1	1	7
Ellen Buchan, attendant,	1	1	—
Ida M. Bragg, attendant,	1	—	1
Laura A. Henry, attendant,	—	9	15
Minnie Hamm, attendant,	—	8	29
Elsie W. Hoar, attendant,	—	5	12
Helen Murphy, attendant,	—	1	18
Bertha Reed, attendant,	—	—	12
Bridget Frawley, night attendant,	3	—	21
Etta M. Haskell, night attendant,	—	10	20
Mary M. Haskins, night attendant,	—	9	16
Susie Warren, centre housework,	3	6	9
Aurelia Bligh, centre housework,	—	4	19
Lynne A. Bush, centre housework,	—	5	14
Adelphine Richardson, cook,	1	4	9
Nora Richardson, assistant cook,	1	2	19
Julia Burns, assistant cook,	1	4	11
Mary McNamara, assistant cook,	1	—	12
Lizzie McNamara, assistant cook,	1	—	12
Julia Sheehan, assistant cook,	—	4	24
Nora Burns, rear housework,	3	3	11
Herbert A. Bush, assistant engineer,	—	4	26
E. Roy Jameson, fireman,	—	2	20
George W. Thorniley, florist,	4	5	12
Nicholas Reil, gardener,	21	2	6
Sifroi Belleville, carpenter,	27	4	—
Walter M. Tower, carpenter,	19	8	1
Alfred Parenteau, painter,	32	1	18
David Mercier, coachman,	20	7	14
Benjamin Rockwell, assistant farmer,	30	4	—
Henry M. Wilson, assistant farmer,	18	5	8
James Madden, assistant farmer,	22	—	29
Patrick Eagan, assistant farmer,	5	1	8
Thomas Donahoe, assistant farmer,	4	11	—
Xavier Dion, assistant farmer,	4	3	17
Charles H. Egleston, assistant farmer,	3	7	16
George Bennett, assistant farmer,	3	5	14
Charles Ulrich, assistant farmer,	1	5	8
John Hawley, assistant farmer,	1	1	7
Lyman W. Searles, assistant farmer,	—	8	15
John Bourke, car boy,	4	4	14



PUBLIC DOCUMENT

. No. 21.

FORTY-THIRD ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1898.

BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.

1899.

Mass. Northampton State Hospital (1898)

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U.S. DEPARTMENT OF JUSTICE

OFFICE OF THE ATTORNEY GENERAL

STATE HOUSE, BOSTON

MASS. DEPT. OF JUSTICE

MASS. DEPT. OF JUSTICE



COMMONWEALTH OF MASSACHUSETTS

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OFFICERS

OF THE

NORTHAMPTON LUNATIC HOSPITAL.

TRUSTEES.

Mrs. SARAH M. BUTLER,	NORTHAMPTON.
WILLIAM D. MacINNES, Esq.,	PITTSFIELD.
LYMAN D. JAMES, Esq.,	WILLIAMSBURG.
HON. ELISHA MORGAN,	SPRINGFIELD.
HON. ALVAN BARRUS,	GOSHEN.
F. W. CHAPIN, M.D.,	SPRINGFIELD.
Mrs. SARAH A. WOODWORTH,	CHICOPEE.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	<i>Superintendent.</i>
CHARLES M. HOLMES, M.D.,*	<i>Assistant Physician.</i>
PAYN B. PARSONS, M.D.,	<i>2d Assistant Physician.</i>
EMMA W. MOOERS, M.D.,	<i>Female Physician.</i>
JUSTUS G. HANSON, M.D.,	<i>Junior Assistant.</i>
LEWIS F. BABBITT,	<i>Clerk.</i>
IDA A. PORTER,	<i>Matron.</i>
JOHN MERCIER,	<i>Farmer.</i>
WALTER I. DODGE,	<i>Engineer.</i>

TREASURER.

LEWIS F. BABBITT,	NORTHAMPTON.
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Office at the Hospital.

* Died Oct. 7, 1893.

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton Lunatic Hospital respectfully submit the forty-third annual report of its business affairs for the year ending Sept. 30, 1898, together with the reports of the superintendent and treasurer, to which reference is made for a more particular account of the operations which are in the immediate charge and supervision of those officers.

In the report for the year ending Sept. 30, 1897, the need of further alterations and improvements in the central portion of the hospital, including the apartments occupied by the resident officers, was referred to ; and with a view to the execution of the work therein set forth the trustees applied to the General Court for an appropriation of \$46,250 for improvements in the hospital buildings and its equipment.

An appropriation was made in March, 1898, as follows, to wit : —

In administration building, first floor, new dispensary, enlarging the dining-room for employees ; second floor, dining-room for assistants, work room, library, laboratory, corridor leading to new chapel ; third floor, six rooms for sleeping and work rooms, corridor leading to balcony of new chapel ; in rotunda, new floors, fire-proof stairways, ventilation flues, not exceeding \$33,750. In basement, renovating store-room, constructing food cars and car tracks, scullery and morgue, not exceeding \$5,000. Addition to south wing closets, lavatories and baths not exceeding \$3,500. Equipment of laboratory

with scientific instruments not exceeding \$750. Pumping plant, and addition to electric plant for heating flatirons and lighting purposes not exceeding \$2,000, making a total of \$15,000.

The work contemplated by the appropriation is now in progress and it is likely to be completed in June, 1899.

The trustees included in the application for an appropriation the cost of a passenger elevator, which was not made by the Legislature. In the opinion of the trustees it was thought best to put in an elevator while the changes in the central portion of the building were being made, as it was part of the general plan and could be done better and at less cost now rather than to defer it longer, when new plans might involve a larger expense. A contract has been made for an elevator for \$1,235, which sum will be paid from the funds of the hospital.

NEW BUILDINGS NEEDED.

The products of the farm have greatly increased since the present barns were erected, and they are now inadequate for the storage of the hay and other crops.

The stable for cows and cattle is now in the basement of the hay barn and is not properly ventilated. Several cows have died from disease, as a result of being kept in poorly lighted and ventilated quarters.

A new hay barn, equal to the capacity of the present building, is needed, and ought to be built during the early summer of 1899, in connection with a new stable for one hundred and fifty animals, cows and cattle. This is about 50 per cent. more than our present number, but the products of the farm are ample for feeding them. As the number of patients in the hospital increases, more milk is needed, and with the additional stable room young cattle can be profitably fattened, with the products of the farm, for slaughter on the premises, to supply, in part, meat for the hospital.

The hospital needs a building for cold storage, with a capacity for storing 1,000 barrels of apples, 3,000 barrels of potatoes, and other vegetables, products of the farm, and for the storage of fresh meat, butter and eggs.

The trustees have made an investigation and recommend what is known as the absorption system of cold storage. From

preliminary estimates the cost of the building and equipment would be about \$15,000.

A large saving to the hospital could be made in these products with such a plant.

IMPROVEMENTS.

Since our last report several improvements then contemplated have been completed. The addition to the south wing for toilet and bath purposes has been built; the electric pump has been in operation since January, supplying the water for the centre building and wings occupied by patients, rather more than one-third of the total amount used by the institution; and since February the flat-irons in the laundry, heated by electricity, have been in successful operation.

PAVILION.

An attractive and spacious pavilion for the use of the patients, with an enclosure 30 by 50 feet, with a large fire-place, is now in process of construction on the hospital grounds. This building is the gift of Miss Martha Eastman of Amherst.

FINANCIAL STATEMENT.

The report of the treasurer shows that we have paid from the funds of the hospital during the year :—

For ordinary repairs,	\$1,448 72
For new work and improvement,	10,044 84
Cash assets Sept. 30, 1898,	28,380 23
Liabilities,	12,496 78
Balance,	15,883 45

PERSONAL.

There have been several changes in the staff during the past year, as follows :—

Dr. Jane R. Baker resigned in November, 1897, to take a similar position in the Tewksbury Asylum, and Dr. Emma W. Mooers, who has had experience at the Kalamazoo, Mich., Insane Hospital and at the Worcester Lunatic Hospital, was chosen to fill the vacancy.

Dr. J. G. Hanson was chosen to succeed Dr. Wm. H. Coon, whose term expired in July.

Miss Ida A. Porter was engaged to succeed Miss S. Emma Hines as matron.

The trustees take pleasure in testifying to the excellent condition of the hospital, and to the efficiency of all its officers in the conduct of the business affairs of the hospital, and in the care of its patients.

SARAH M. BUTLER.
WILLIAM D. MACINNES.
L. D. JAMES.
ELISHA MORGAN.
ALVAN BARRUS.
F. W. CHAPIN.
SARAH A. WOODWORTH.

OBITUARY.

Since our report was written we have lost, by the death of Dr. Charles M. Holmes, the first assistant physician, a competent officer and skilful physician. He was devoted to his profession and to the interests of the hospital and its patients. Dr. Holmes came to the hospital in June, 1889; he died of typhoid fever, after a brief illness, Oct. 7, 1898.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1898.

Superintendent and physician,	per year, \$2,500 00
Assistant physician,	" 1,200 00
Assistant physician, second,	" 800 00
Female physician,	" 800 00
Junior assistant,	" 400 00
Treasurer and clerk,	" 1,500 00
Matron,	" 450 00
Farmer,	" 780 00
Engineer, house rent and partial board,	" 1,100 00
Assistant clerk,	per month, 30 00
Supervisor (male),	" 50 00
Supervisor (female),	" 30 00
Assistant supervisor (female),	" 25 00
Seamstress,	" 25 00
Assistant seamstress,	" 18 00
Laundress,	" 18 00
Laundryman, without board,	" 60 00
Assistant laundresses, with partial board (2),	" 22 00
Baker,	" 45 00
Assistant baker,	" 25 00
Steward,	" 50 00
Assistant steward, with partial board,	" 50 00
Attendants (male, 7),	" 30 00
Attendants (male, 4),	" 25 00
Attendants (male, 4),	" 23 00
Attendants (male, 7),	" 21 00
Attendants (female, 6),	" 20 00
Attendants (female, 5),	" 16 00
Attendants (female, 6),	" 14 00

Housework, centre (female),	per month, \$	17 00
Housework, centre (female, 2),	"	16 00
Cook (female),	"	20 00
Assistant cook (female),	"	16 00
Farmer's dining-room (female),	"	16 00
Housework, rear building (female),	"	16 00
Kitchen help (4),	"	16 00
Watchman,	"	30 00
Carpenter,	per day,	2 25
Carpenter,	"	2 00
Painter,	per month,	50 00
Assistant painter,	per day,	1 50
Gardener (2),	per month,	30 00
Assistant engineer,	"	30 00
Fireman,	"	30 00
Coachman,	"	30 00
Car boy,	"	25 00
Florist, without board,	"	50 00
Farm hands (2),	"	30 00
Farm hands (3),	"	25 00
Farm hands (2),	"	20 00
Farm hand,	"	23 00
Utility,	"	30 00

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1898.

Live stock on farm,	\$8,277 00
Products of farm on hand,	10,195 44
Carriages and agricultural tools,	3,558 00
Machinery and mechanical fixtures,	14,860 00
Beds and bedding in inmates' department,	12,500 00
Other furniture in inmates' department,	8,250 00
Personal property of State in superintendent's department,*	7,500 00
Ready-made clothing,	1,271 32
Dry goods,	1,045 80
Bedding,	296 98
Small wares,	365 85
Miscellaneous,	1,074 81
Provisions and groceries,	2,420 00
Drugs and medicines,	667 30
Fuel,	204 40
Library,	1,000 00
Paints and oils,	500 00
	<hr/>
	\$73,987 75

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing-room and other departments.

TREASURER'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

I respectfully submit the following report of the finances of this institution for the year ending Sept. 30, 1898:—

ASSETS.

Four hundred and ninety-three acres of land, .	\$53,000 00
Hospital building,	450,000 00
Farm-house, \$1,700; brick house, \$1,700, . .	3,400 00
Three dwellings,	2,000 00
Storehouse and shops,	20,000 00
Two barns,	4,000 00
Horse stable,	1,900 00
Lumber-house,	850 00
Pump-house,	650 00
Cart shed,	400 00
Piggery,	3,000 00
Fire-proofs for oils and paints,	500 00
Two ice-houses,	400 00
	<hr style="width: 20%; display: inline-block; vertical-align: middle;"/> \$540,100 00

PERSONAL ESTATE.

Stocks and supplies as per inventory,	\$73,987 75
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RECEIPTS.

Cash on hand Sept. 30, 1897,	\$1,866 11
Receipts from State treasurer,	9,386 08
from towns,	66,652 04
from individuals,	22,490 08
from sales,	3,329 18
from interest,	159 00
Cash belonging to patients,	801 91
	<hr style="width: 20%; display: inline-block; vertical-align: middle;"/> \$104,684 40

PAYMENTS.

Salaries and wages,		\$37,579 92
Provisions and supplies:—		
Meats of all kinds,	\$6,116 18	
Fish of all kinds,	1,294 61	
Fruit and vegetables,	2,450 06	
Flour (780 barrels),	4,148 00	
Grain and meal for table,	298 48	
Tea, coffee and chocolate,	1,022 20	
Sugar and molasses,	2,339 13	
Grain and meal for stock,	3,161 40	
Butter and cheese,	4,377 40	
Other groceries,	2,092 53	
All other provisions,	1,202 66	
	<hr/>	28,502 65
Clothing,		2,511 83
Fuel and lights,		7,023 46
Medicine and medical supplies,		1,214 69
Furniture, beds and bedding,		2,403 90
Transportation and travelling expenses,		757 88
Ordinary construction and repairs,		1,448 72
Farm stock,	\$408 19	
Farm supplies,	2,092 76	
Water,	1,488 10	
Minor expenses,	2,512 07	
Contingencies,	1,042 00	
	<hr/>	7,466 12
Total current expenses,		\$88,909 17
Extraordinary expenses,	\$10,044 84	
Paid loan,	4,030 00	
Cash refunded patients,	447 99	
	<hr/>	14,522 83
		\$103,432 00
Cash on hand Sept. 30, 1898,		1,252 40
		<hr/>
		\$104,684 40

RESOURCES.

Cash on hand,	\$1,252 40
Due from Commonwealth,	2,405 93
from cities and towns,	17,754 21
from individuals,	6,967 69
	<hr/>
	\$28,380 23

LIABILITIES.

Salaries and wages due Oct. 1, 1898,	\$3,224 02
Miscellaneous bills due,	8,201 96
Patients' money,	1,070 80
	<hr/>
	\$12,496 78

SUMMARY.

Total receipts,	\$104,684 40
Total payments,	103,432 00
<hr/>	
Cash on hand Sept. 30, 1898,	\$1,252 40
Total liabilities,	\$12,496 78
Total debts due institution,	28,380 00
Total expenditures,	103,432 00
Deducting from the total expenditure,	\$103,432 00
The extraordinary expenses,	\$10,044 84
Paid on loan account,	4,030 00
Cash refunded patients,	447 99
	<hr/>
	14,522 83
<hr/>	
We have the current expenses,	\$88,909 17
Adding to the current expenses the decrease of personal assets,	\$1,301 25
We have the annual cost of each patient,	165 17
Making the average weekly expenditure,	3 18

LEWIS F. BABBITT,

Treasurer.

I have examined, as auditor, the accounts of the treasurer, and found a satisfactory voucher for every entry.

LYMAN D. JAMES,

Auditor.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The forty-third annual report of the operations of the hospital is hereby respectfully submitted.

At the beginning of the year Oct. 1, 1897, there were in the hospital 522 patients. Within the year 213 were admitted and 172 were discharged, leaving 563 at the end of the year, who were supported as follows: by the State, 60; by towns, 405; by relatives and friends, 98.

The smallest number of patients on any one day was 515; the largest 565. The daily average was 546.16, a little larger than for 1896-97.

ADMISSIONS AND DISCHARGES.

The number of patients admitted during the year, not counting those transferred from other hospitals, is the largest in the history of the hospital, but this does not necessarily mean that insanity is increasing in proportion to the population. Of the 213 admissions only 158 were new cases, which is less than the annual average of first admissions for the last four years. The number of cases admitted who have been here before, 55, is larger this year than ever before. They should be left out of any consideration of increase of insanity. Many of these readmitted cases were patients who were discharged, unimproved, at the solicitation of friends, who afterward found that they could not be kept at home; 8 of them were returned from almshouses; 6 were cases that were first committed more than twenty-five years ago.

Of the admissions about 66 per cent. came from the larger centres of population, 33 per cent. were of foreign birth, and about 60 per cent. were of foreign parentage. In nearly 50 cases intemperance and dissipation in various forms were the

principal causes of insanity, while the physiological change incident to old age was the cause in 25 cases.

Because of the age, the duration of insanity and the nature of the disease, we were obliged to make an unfavorable prognosis in nearly 50 per cent. of the cases on the day of admission. On admission 21 cases were over sixty years old; 8 were over seventy years old; and 4 were over eighty years old. In 64 cases insanity had existed from one year to twenty years or more; 10 cases were insane from birth; 98 cases were of an incurable form of mental disease.

Two cases figure in the admissions (also in the discharges, as unimproved) who were committed to the hospital but were never admitted, the Attorney-General giving an opinion that "physical commitment" is not required. It would not require many such cases to make the tables of statistics worthless for purposes of comparison and deduction.

There seems to be statistical proof that insanity is increasing faster relatively than the general population is, but the following table compiled from our records shows that the number of admissions of new cases from the four western counties of Massachusetts is only a little larger than it was thirty-five years ago:—

Showing Proportion of New Cases admitted to the Population of the Four Western Counties.

	1865-70.	1875-80.	1885-90.	1890-95.
Average yearly admissions of new cases (five-year periods),	68.8	70.6	112.8	132.2

	1870.	1880.	1890.	1895.
Population of the four western counties, . . .	220,259	256,406	307,290	333,915
Number of insane for each 10,000 of population, .	3.12	2.75	3.67	3.96

I believe that this increase is due largely to the fact that many cases are now brought to the hospital who would have been cared for at home thirty years ago. For instance, there has been a marked increase in the number of old people who are brought to the hospital for care, as the following table shows:—

Number of Patients admitted who were over Seventy Years of Age.

YEARS.	No. of Old People admitted.	Total No. of New Cases admitted.
1868 to 1873,	10	826
1873 to 1878,	13	569
1878 to 1883,	18	496
1883 to 1888,	26	571
1888 to 1893,	52	634
1893 to 1898,	76	779

It is not to be supposed from this showing that there is an alarming increase in the number of old people who have become insane, but rather that more of them are brought to the hospital, as friends get more confidence in such institutions. It is a common occurrence for friends of patients to say, after they have become acquainted with the hospital, that they would have brought the patient sooner if they had known what kind of a place it is.

Of the 172 cases discharged, 20 were transferred to the Hospital for Epileptics at Monson; 12 were sent to other hospitals or from the State by the Board of Lunacy and Charity; 13 were taken to almshouses by overseers of the poor. Nearly all of these were unimproved. Of the others who were discharged, 40 were classed as recovered. Many others were considered well by their friends, but only those who had regained their physical health, had lost their delusions and had become wholly rational, with a fair prospect of their remaining well, were called recovered. No doubt some of these will give way under the same conditions that caused their insanity, if exposed to them.

Though hospitals are better equipped and methods of treatment are improved, though more personal attention is given to the cases, yet it is not to be expected that the percentage of recoveries will ever be much larger than at present. There is an increase in the number of hopeless cases admitted, as, for instance, the senile class mentioned before.

The number of deaths during the year was 49. Of those, 43 were suffering from an incurable form of mental disease; 26

were over seventy years of age, 6 being over eighty years of age. One patient who died had been here forty years, 1 thirty-nine years, and one thirty-one years.

MEDICAL WORK.

The medical work has continued along the lines mentioned in the annual report for last year. Each patient has been examined on admission as to the mental and physical condition. A report thereon, with a history of the patient before admission, and the record of the case after admission, is made at the regular meetings of the staff, which are held three times a week. Here the cases are discussed, diagnosis and prognosis being made. Interesting and unusual cases are brought before the staff in person.

Microscopical and chemical analyses have been made regularly by one of the junior assistants. Autopsies have been held whenever permission could be obtained from friends.

It is expected that within a few months the rooms for laboratory work will be finished.

During the last three months of the year the assistant physicians have lectured twice a week to the nurses, all the nurses being required to attend. Much interest has been shown by some of the nurses in this work and results already obtained approve the undertaking. In addition to the lectures, regular recitations and daily instruction in nursing will be given this year, as soon as a competent superintendent of nurses shall be obtained.

TREATMENT.

In the treatment of insanity we find that, apart from putting our patients into the best possible physical condition, the most efficacious means of treatment are the measures which influence the mental faculties.

The drugs used are tonics solely. Hypnotics and depressing drugs belong to the past. Thirty-four years ago Dr. Ray wrote as follows: "Who of us has not found himself driven to the conclusion, with a feeling of mortification, that after all our advances our medication in the treatment of insanity is no more successful than that of our fathers before us? If we have improved at all upon them, does not the improvement consist rather in discarding their favorite remedies than in substituting

better ones of our own? We see the folly of their emetics, their purges, their mercury, their bleedings and their blisters; but are we ready, with any degree of self-gratulation, to point to opium, or antimony, or hashish, or warm baths, as our means of triumphant success?" What he foresaw has come to pass. Physicians of to-day have discarded all the remedies he mentions, except the baths.

No chronic case here receives a single dose of hypnotics, and very few are the acute cases that require them. During the year no chloral has been used, no opiate except for relief of pain or in acute inflammatory conditions, and no bromides except in several cases of epilepsy. We have used about eight doses of paraldehyde, about two ounces of sulphonal and three ounces of trional during the year. Conditions external to the patients, which require the use of such remedies at home, do not exist in the hospital.

The experience of medical officers of insane hospitals generally confirms the above statement, but the general public and even intelligent physicians outside of hospitals are rather incredulous.

I am moved to write the above because of several cases that have been admitted within a few weeks, suffering from the drugs given to induce quiet, who have improved immediately upon the withdrawal of the drugs. One of these, a young woman, who had been insane ten years, was brought here, to whom had been given, every night for months, a dose of chloral, — and in addition she had been tied in bed. We were assured by her friends that it would be necessary to continue that treatment here, but we have not yet seen the need of it, and her friends now remark upon her improved condition when they visit her. A man was brought here within three weeks under the influence of an opiate. It seemed doubtful if he could live till morning because of the stupor induced by the drug. Active measures were required for nearly twelve hours to arouse him and to prevent collapse. Now he is rapidly getting well enough to go home. A young woman was brought here within a few hours of this writing, suffering more from the medicine given her to quiet her till she should reach the hospital (it was very doubtful whether she would get here alive) than from the mental excitement which required her commitment.

Within a few months there has been no case of restraint or of seclusion. Early in the year a man was in seclusion because of persistent and strenuous efforts to push through the door every time it was opened, and to break through the windows. Another man was in restraint to prevent most determined efforts at suicide. A third man, a case of acute mania, required seclusion for a few days as a part of his treatment, the presence of others increasing his excitement. Two women have required restraint, each for a few days only, because of suicidal tendencies. The restraint seemed more beneficial than human control, and in one case it appealed to the sense of propriety of the woman's husband.

EMPLOYMENT, AMUSEMENTS, ETC.

Free use has been made during the year of those beneficial means of treatment; employment, diversion, amusement, etc.

A larger number of patients than ever before in the history of the hospital has been employed. Beside the routine work in laundry, kitchen, sewing-room, at the shops and on the farm, much extra work has been done. One man has been employed the whole year and two others all summer, whose duties were to take out men from the wards and work with them. They have constructed a foot path 5 feet wide and 1,900 feet in length, first excavating, then putting in a layer of stone and finishing at top with ashes and gravel. This piece of work involved much grading and relaying of turf. A long section of the driveway on the grounds has been repaired. A trench has been dug by them about 1,100 feet in length, for burial of wires running to the electric pump at the spring. About 300 feet of trench for sewer and for water pipes have been dug, also a cellar for the toilet-room addition to the south wing, 25 feet square and 6 or 8 feet deep, and the cellar for the addition to the main building, 25 feet by 76 feet. Patients have excavated and graded for the new pavilion being built and have removed about 1,000 cubic yards of soil from a cellar, 28 feet by 60 feet, 15 feet deep, for coal bunkers.

The work of transporting the soil thus removed has been done in hand carts rather than by team, in order to employ as many patients as possible. On some days more than 150 men have been employed outside of the wards. They are much

benefited by the work both mentally and physically, and most of them have been glad of the opportunity. Convalescents hasten their recovery by light employment.

Eight or 9 men have been employed on the carpentry of the new pavilion, to their manifest pleasure and pride, 3 of whom have gone home well since the beginning of the work.

Early in the spring the experiment was made of employing instructors from outside to take charge of classes in gymnastics. For the men, at first Mr. Martin, physical instructor of the Y. M. C. A., conducted a class of patients. Later an attendant, who had had experience in teaching Y. M. C. A. classes, was employed. For the women, Miss Berenson, teacher of gymnastics at Smith College, came twice a week to give lessons.

The exercises consisted of Swedish movements, of marching and of running games, including basket ball, which was played indoors at first and later on the lawn.

So much enthusiasm was developed by both instructor and patients that the trustees decided to devote a room to the purpose. The roof of the old chapel building has been raised one story and the room thus made will be furnished and used as a gymnasium.

It was noticeable that the exercises not only started the blood circulating freely, but also aroused and held the interest of the patients, especially in the cases of several patients who were in a state of inactivity and dulness, following an attack of acute melancholia or of acute mania. In several such cases the start toward recovery can be easily traced to this source.

Gatherings of all patients able to attend, from 300 to 375 in number, have been held regularly in the chapel. There has been preaching on every Lord's Day by one of the clergymen in town. The usual dances have been held weekly, beginning with Thanksgiving evening. On several occasions patients and employees gathered in an old-fashioned party, playing games as in our younger days.

On Memorial Day evening a very creditable entertainment was given by patients, attendants and officers, which was greatly enjoyed by the audience, but more, I think, by the participants in their planning and rehearsals for it. It consisted of patriotic songs, declamations and tableaux appropri-

ate to the day, closing with a well-executed flag drill by sixteen of the young women.

One of the entertainments was an instrumental concert by a band of sixteen members, whose leader was a former patient, who kindly volunteered their services.

The following is a detailed list of assemblies and entertainments for the year :—

Religious worship on	52 days.
Concerts on	7 evenings.
Elocution on	2 evenings.
Parties for whist, checkers and other games on . .	2 evenings.
Old-fashioned party on	1 evening.
Tableaux, etc., on	1 evening.
Quadrille parties on	25 evenings.
Reading and lectures by some one of the staff on .	85 evenings.

FARM.

The farm has been well managed during the year and its usual excellent standard of productiveness has been maintained, as may be seen by reference to the table of farm products annexed to this report.

The hay crop nearly equalled that of last year, which was exceptionally large. The amount of potatoes this year was about twice as large as last year's crop, though falling short of the expectations warranted by the number of acres planted.

The apple crop, though larger than last year, was smaller than usual for the bearing year.

Several acres of land have been cleared of stumps, drained and cultivated during the year.

The demands upon the farm from the hospital have kept pace with the growth of the hospital, till now more room is required for the storage of products and of farming tools and vehicles, and better and larger accommodations for the herd of cattle, which can be profitably increased. The time for building a new barn, need of which has been spoken of in several of the yearly reports, should not be postponed much longer.

ACKNOWLEDGMENTS.

It is with pleasure that I record a beautiful gift from Miss Martha Eastman of Amherst, in memory of her sister who was a patient here.

In her visits to the hospital, observing the patients at walk about the grounds, she saw and appreciated the need of an objective point for their daily excursions, as well as a place of resort when conditions of the weather prevented use of the groves. Knowing that the Commonwealth provides liberally the necessary buildings for the care of those who must come here, and realizing how great a part diversion plays in the treatment of their disordered intellects, she felt it her privilege to provide for their pleasure a pavilion.

This is now being built and is nearly completed. It is well situated, beyond the grove in front of the hospital, overlooking Mill River valley and the town, with the college buildings in the foreground. Beyond are to be seen the Amherst hills, the range of Mount Holyoke in its entire length and nearly all of the Mount Tom range.

The building is solidly constructed, sheathed inside and outside. It is surrounded by a piazza on all sides, protected by an overhanging roof. Permanent seats are fixed all around against the wall, except at the entrances. The interior is a room 30 feet by 50 feet, well lighted by large windows. Opposite the front door is a large fire-place, built of field-stone, with jambs and arch of buff bricks.

The giver would be well repaid could she know the pleasure of the patients who have helped in the construction, and the interest shown by the women patients as they have passed in their daily walks. This is to be a place of daily resort by the women, and occasional social gatherings will be held there.

The following people are deserving of our hearty thanks for their kindness to the patients of the hospital: Mrs. L. A. Knowlton of Athol, the Guild of the Good Shepherd of the Second Unitarian Church of Athol, the girls of the Lawrence House of Smith College and Mr. S. E. Bridgman, for magazines; Mr. A. H. Schneidawind and band, the Misses Lord, the Smith College Banjo Club, Mr. Norris and the Episcopal choir, and Mr. Parenteau's family, for musical entertainments;

Miss Jessie Orr of Adams for a box of oranges and cakes at Christmas; the publishers of the "New England Zeitung," "The Christian Register" and the "Berkshire County Eagle," for regular copies of their papers. These papers are a welcome present to the hospital. Patients are gladdened by the sight of their home paper, as by an old friend.

In concluding this report I take pleasure in approving the officials associated with me for their unfailing interest in their work; and those who have the immediate care of the insane, for their faithfulness.

I thank your Board for your cordial advice, support and encouragement during the year.

JOHN A. HOUSTON.

OBITUARY.

Our first assistant, Dr. Charles M. Holmes, died Oct. 7, 1898. It seems fitting to add here a tribute to his faithful services to the hospital.

In the nine years of his residence here he had, by his devotion to the interests of the hospital and to the welfare of the patients, won the esteem of all who were associated with him.

He was an earnest student in the specialty which he had chosen for his life work and which he liked well, and was looking forward to the coming year with pleasure because of the better facilities for his work which he hoped to enjoy.

At the time of his death he was well equipped by study and experience to fill the position he occupied with credit, and to the advantage of the hospital.

Of a genial nature, he possessed many qualities which endeared him to the patients, and which engendered in the friends of patients a feeling of confidence in the institution.

By his death the hospital has lost a faithful officer; the officers, a loved associate; the patients, a friend.

DIETARY OF THE NORTHAMPTON LUNATIC HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about two hundred persons, and the second to those of somewhat over three hundred.]

BILL OF FARE No. 1.

BREAKFAST.

- Monday.* — Tea, coffee, broiled beefsteak, potatoes, warm rolls ("biscuit"), bread and butter.
- Tuesday.* — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.
- Wednesday.* — Tea, coffee, broiled beefsteak, potatoes and warm brown (rye and Indian) bread.
- Thursday.* — Tea, coffee, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.
- Saturday.* — Tea, coffee, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, cold corned beef, potatoes, warm rolls, bread, butter and fried Indian corn pudding.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable,† bread, butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal,‡ potatoes and one other vegetable,† bread, butter, and baked Indian pudding.
- Wednesday.* — Either fried or baked fresh fish or boiled mutton, potatoes and one other vegetable,† bread, butter, and berry or apple pudding, with sauce.§
- Thursday.* — Vegetable soup, corned beef, potatoes and one other vegetable,† bread, butter, and boiled suet pudding with syrup.

* Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

† At least three vegetables during the summer.

‡ Substituted in winter by fresh pork ribs, roasted.

§ In spring, maple syrup is used as sauce for puddings.

Friday. — Either boiled or roasted mutton* or stewed or roasted veal, potatoes and one other vegetable,† bread, butter, and tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable,‡ pickles, bread, butter, and baked bread pudding.

Sunday. — Cold corned beef, potatoes, warmed baked beans, pickles, bread, butter, and pies, the kind varying with the season.

SUPPER.

Monday. — Tea, bread, warm corn cake, butter, hard gingerbread and a relish.‡

Tuesday. — Tea, white bread, graham bread, butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.

Wednesday. — Tea, bread, butter, pie (the kind varying with the season) and ginger snaps and a relish.

Thursday. — Tea, bread, butter, cookies and cheese.

Friday. — Tea, bread, butter, cake (the kind varying) and a relish.

Saturday. — Tea, bread, butter, doughnuts and cheese.

Sunday. — Tea, bread, butter, cookies and ginger snaps and blanc-mange or corn starch.

Extra. — In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, cold corned beef, potatoes and bread.

Tuesday. — Coffee, cold roast beef, potatoes and bread.

Wednesday. — Coffee, meat stew, potatoes and warm rye and Indian corn brown bread.

Thursday. — Coffee, picked codfish cooked in milk, potatoes and bread.

Friday. — Coffee, cold corned beef or meat stew, potatoes and bread.

Saturday. — Coffee, hash, either of meat or fish, and bread.

Sunday. — Coffee, cold baked beans, potatoes and bread.

Butter is used in two halls in the morning.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,‡ boiled hominy with molasses and bread.

* Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

† At least three vegetables during the summer.

‡ This term, used for the want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruits, all of which are supplied, and each according to the season.

Tuesday. — Vegetable soup, potatoes and one other vegetable,* baked Indian pudding † and bread.

Wednesday. — Boiled fresh fish with drawn-butter sauce, potatoes and one other vegetable,* boiled hasty pudding with molasses and bread.

Thursday. — Vegetable soup, potatoes, cabbage or some other vegetable,* boiled rice with molasses ‡ and bread.

Friday. — Boiled codfish with drawn-butter sauce, potatoes, beets or some other vegetable, boiled hasty pudding with molasses and bread.

Saturday. — Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday. — Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday. — Tea, bread and butter.

Tuesday. — Tea, bread, butter, and soft gingerbread.

Wednesday. — Tea, bread, butter, and some kind of relish.

Thursday. — Tea, bread and butter.

Friday. — Tea, bread, butter, and soft gingerbread.

Saturday. — Tea, bread and butter, sauce.

Sunday. — Tea, bread and butter.

EXTRAS.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In four halls, sauce, of either fresh or dried apples, is furnished as often as three times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five bushels of green sweet corn in the ear is consumed in its season, daily, with the exception of Sunday.

Tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horse-radish as a condiment.

During eight months of the year apples are distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast milk toast, toast with dropped egg and boiled eggs, for invalids and all who are not able to take the regular fare.

* At least three vegetables in the summer.

† All baked puddings for the whole household are made with milk.

‡ Maple syrup is furnished, in place of molasses, three or four times in the spring.



STATISTICAL TABLES.



STATISTICAL TABLES.

1. — General Statistics of the Year.

	Males.	Females.	Totals.
Patients in the hospital Oct. 1, 1897,	268	254	522
Admitted within the year,	111	102	213
Whole number of cases within the year, . . .	379	356	735
Viz.: insane,	377	354	731
voluntary,	1	—	1
habitual drunkards,	1	—	1
addicted to opium habit,	—	2	2
Discharged within the year,	96	76	172
Viz.: as recovered at the time of leaving the			
hospital,	23	17	40
as much improved,	10	9	19
as improved,	8	10	18
as not improved,	21	22	43
voluntary cases,	1	—	1
habitual drunkards,	1	—	1
addicted to opium habit,	—	1	1
Deaths,	32	17	49
Patients remaining Sept. 30, 1898,	283	280	563
Viz.: supported as State patients,	40	20	60
town patients,	204	201	405
private patients,	39	59	98
Number of different persons within the year, .	373	351	724
Persons admitted,	111	101	212
Persons recovered,	23	17	40
Daily average number of patients,	279.44	266.72	546.16
Viz.: State,	42.08	21.26	63.34
town,	199.21	192.45	391.66
private,	38.15	53.01	91.16

2. — *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1897.												
October,	12	8	20	11	8	19	1	—	1	265.42	253.32	518.74
November,	16	7	23	4	3	7	—	—	—	275.43	256.43	531.86
December,	11	8	19	2	2	4	5	—	5	283.22	261.29	544.51
1898.												
January,	4	10	14	5	3	8	—	1	1	282.77	263.00	545.77
February,	4	11	15	3	4	7	2	1	3	283.21	271.79	555.00
March,	8	2	10	1	2	3	6	—	6	283.16	274.97	558.13
April,	11	8	19	2	2	4	4	4	8	284.87	275.23	560.10
May,	10	7	17	3	3	6	6	3	9	287.35	275.26	562.61
June,	4	12	16	15	25	40	1	4	5	277.73	263.07	540.80
July,	10	10	20	9	3	12	2	2	4	272.61	264.58	537.19
August,	11	10	21	4	4	8	3	2	5	280.10	268.35	548.45
September,	10	9	19	5	—	5	2	—	2	277.63	273.87	551.50
Total of cases,	111	102	213	64	59	123	32	17	49	—	—	—
Total of persons,	111	101	212	64	58	122	—	—	—	—	—	—
Daily average,	—	—	—	—	—	—	—	—	—	279.44	266.72	546.16

3. — *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	83	75	158	—	—	—
Second,	19	20	39	4	5	9
Third,	5	6	11	3	4	7
Fourth,	2	1	3	3	3	6
Fifth,	1	—	1	2	—	2
Eighth,	1	—	1	5	—	5
Total of cases, . . .	111	102	213	17	12	29
Total of persons, . .	111	101	212	—	—	—

4. — *Relation to Hospital of Persons admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane, . .	81	74	155
Former inmates of this hospital only, . .	26	22	48
of other hospitals only, . .	2	1	3
of this and other hospitals, . .	2	5	7
Total of cases,	111	102	213
Total of persons,	111	101	212

5. — *Residence of Persons admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	23	22	45
Hampden County,	52	48	100
Berkshire County,	27	24	51
Franklin County,	9	7	16
Totals,	111	101	212
Cities or towns,	72	69	141
Country districts,	39	32	71
Totals,	111	101	212

6. — *Nativity and Parentage of Persons admitted.*

PLACES OF NATIVITY.	PATIENTS.			PARENTS.					
				MALES.		FEMALES.		TOTALS.	
	Ma.	Fe.	Tot.	Fa.	Mo.	Fa.	Mo.	Fa.	Mo.
Maine, . . .	—	3	3	—	—	3	3	3	3
New Hampshire, .	1	2	3	1	3	—	1	1	4
Vermont, . . .	7	5	12	4	2	4	3	8	5
Massachusetts, .	57	42	99	29	32	25	24	54	56
Rhode Island, . .	2	1	3	1	—	—	—	1	—
Connecticut, . .	1	4	5	3	3	2	4	5	7
New York, . . .	4	8	12	5	5	4	6	9	11
Virginia, . . .	1	—	1	1	1	—	—	1	1
West Virginia, .	1	—	1	—	—	—	—	—	—
Illinois, . . .	1	—	1	—	—	—	—	—	—
Canada, . . .	5	10	15	7	6	10	11	17	16
England, . . .	2	3	5	2	3	6	4	8	7
Ireland, . . .	16	17	33	43	41	35	34	78	75
Scotland, . . .	2	1	3	2	2	1	1	3	3
Austria, . . .	1	1	2	1	1	2	2	3	3
Australia, . . .	1	—	1	—	—	—	—	—	—
Bohemia, . . .	—	1	1	—	—	1	1	1	1
France, . . .	—	2	2	—	—	2	2	2	2
Germany, . . .	3	—	3	5	5	2	1	7	6
Hungary, . . .	1	—	1	1	1	—	—	1	1
Italy, . . .	2	—	2	2	2	—	—	2	2
Poland, . . .	1	—	1	1	1	—	—	1	1
Sweden, . . .	1	—	1	1	1	—	—	1	1
Switzerland, . .	—	1	1	—	—	1	1	1	1
Unknown, . . .	1	—	1	2	2	3	3	5	5
Totals, . . .	111	101	212	111	111	101	101	212	212

7. — *Civil Condition of Persons admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . .	46	40	86	28	26	54	9	9	18	—	—	—	83	75	158
Second, . . .	11	7	18	6	10	16	2	3	5	—	—	—	19	20	39
Third, . . .	3	2	5	1	1	2	—	2	2	1	1	2	5	6	11
Fourth, . . .	2	1	3	—	—	—	—	—	—	—	—	—	2	1	3
Fifth, . . .	—	—	—	1	—	1	—	—	—	—	—	—	1	—	1
Eighth, . . .	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Totals of cases, . .	63	50	113	36	37	73	11	14	25	1	1	2	111	102	213
Totals of persons, .	63	50	113	36	36	72	11	14	25	1	1	2	111	101	212

9. — Occupation of Persons admitted.

MALES.

Baker,	1	Mill operatives,	6
Baggage masters,	2	Musician,	1
Book-keeper,	1	Marketman,	1
Brassworker,	1	Painter,	1
Butcher,	1	Peddler,	1
Carpenters,	2	Paper hanger,	1
Cigar maker,	1	Paper ruler,	1
Clerks,	2	Stone cutter,	1
Coachman,	1	Sailor,	1
Collector,	1	Salesman,	1
Cook,	1	Shoe cutter,	1
Farmers,	18	Steam fitter,	1
Foundryman,	1	Students,	2
Gardeners,	2	Teamsters,	2
Laborers,	31	Treasurer,	1
Manufacturers,	1	Tailors,	2
Mason,	1	Whip maker,	1
Machinists,	2	Unknown,	1
Mechanics,	3	No occupation,	10
Merchants,	2	Total,	111

FEMALES.

Cooks,	2	School teachers,	2
Domestics,	8	Stenographer,	1
Dressmaker,	1	Weavers,	2
Housewives,	29	No occupation,	28
Housework,	18	Total,	101
Mill operatives,	10		

10. — Record of Cases admitted within the Year.

PATIENTS.	Males.	Females.	Totals.
Admitted,	111	102	213
Insane,	110	100	210
Dipsomania and opium habit,	1	2	3
Discharged recovered,	15	8	23
much improved,	4	4	8
improved,	1	5	6
not improved,	7	8	15
dipsomania and opium habit,	1	1	2
Died,	10	7	17
Remaining Sept. 30, 1898,	73	69	142
Number likely to recover or improve, . .	21	15	36

11. — *Ages of Insane at First Attack, Admissions and Deaths.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.						PERSONS DIED.								
	AT FIRST ATTACK			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.			Ma.	Fe.	Tot.
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.			
Congenital,	6	4	10	-	-	-	-	1	1	-	-	-	-	-	-
15 years and less,	2	1	3	-	1	1	3	-	3	-	-	-	-	-	-
From 15 to 20 years, . . .	6	5	11	4	5	9	-	-	-	-	-	-	-	-	-
20 to 25 years,	12	16	28	12	10	22	3	2	5	2	1	3	-	-	-
25 to 30 years,	12	6	18	11	10	21	1	2	3	2	-	2	-	-	-
30 to 35 years,	11	8	19	12	8	20	4	1	5	1	-	1	-	-	-
35 to 40 years,	6	11	17	9	11	20	4	3	7	2	4	6	-	-	-
40 to 50 years,	7	11	18	14	15	29	1	3	4	3	3	6	-	-	-
50 to 60 years,	6	2	8	5	4	9	4	2	6	4	1	5	-	-	-
60 to 70 years,	6	3	9	6	2	8	4	2	6	7	4	11	-	-	-
70 to 80 years,	4	4	8	7	6	13	3	-	3	7	2	9	-	-	-
Over 80 years,	1	3	4	2	3	5	2	1	3	4	2	6	-	-	-
Unknown,	4	1	5	1	-	1	3	-	3	-	-	-	-	-	-
Total of persons,	83	75	158	83	75	158	32	17	49	32	17	49	-	-	-
Mean ages,	37+	37+	37+	41+	39+	40	44.5	39+	42.5	58+	56+	57+	-	-	-

12. — *Reported Duration of Disease before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma	Fe.	Tot.
Congenital,	6	4	10	-	1	1	6	5	11
Under 1 month,	21	11	32	5	7	12	26	18	44
From 1 to 3 months,	9	7	16	3	2	5	12	9	21
3 to 6 months,	11	7	18	-	1	1	11	8	19
6 to 12 months,	6	12	18	1	-	1	7	12	19
1 to 2 years,	6	7	13	1	2	3	7	9	16
2 to 5 years,	6	14	20	5	6	11	11	20	31
5 to 10 years,	4	7	11	2	2	4	6	9	15
10 to 20 years,	4	4	8	5	3	8	9	7	16
Over 20 years,	6	1	7	2	2	4	8	3	11
Unknown,	4	1	5	4	1	5	8	2	10
Total of cases,	83	75	158	28	27	55	111	102	213
Total of persons,	83	75	158	28	27	55	111	101	212
Average in years,	6.70	4.32	5.56	9.66	12.18	11.29	7.20	5.80	6.36

13. — Form of Mental Disease in Cases admitted or discharged, with Condition on Discharge.

FORM OF DISEASE.	CASES ADMITTED.			CASES DISCHARGED.												AGGREGATE.								
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			Males.	Females.	Totals.
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.						
A. — Insane: —																								
Mania, acute, . . .	11	14	25	6	2	8	1	1	2	1	3	4	1	3	4	1	3	4	1	3	4	7	6	13
Mania, chronic, . . .	11	10	21	2	2	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	10	7	17
Mania, recurrent, . . .	4	3	7	2	2	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	2	4
Mania, toxic, . . .	18	2	20	9	3	12	1	1	2	1	1	2	3	1	4	3	1	4	3	1	4	14	4	18
Mania, <i>à potu</i> , . . .	2	1	3	2	1	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	1	3
Mania, puerperal, . . .	2	2	4	2	2	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	1	3
Melancholia, acute, . . .	16	15	31	4	7	11	4	4	8	1	4	5	1	4	5	1	4	5	1	4	5	10	15	25
Melancholia, chronic, . . .	2	11	13	1	7	8	1	4	5	1	4	5	1	4	5	1	4	5	1	4	5	2	14	16
Melancholia, recurrent, . . .	2	2	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	1	3
Melancholia, senile, . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Dementia, secondary, . . .	11	7	18	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	8	3	11
Dementia, senile, . . .	8	9	17	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	11	1	12
Dementia, organic, . . .	3	3	6	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	2	4
Primary delusional insanity, . . .	5	9	14	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	2	4
Acute confusional insanity, . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	2	4
Congenital mental deficiency, . . .	5	4	9	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	2	4
Epilepsy, . . .	6	6	12	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	16	12	28
Paresis, . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	2	4
Organic brain disease, . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	2	4
Circular insanity, . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	2	4
Acute delirium, . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	2	4
Idiocy, . . .	3	1	4	1	1	2	1	1	2	1	1	2	2	1	3	1	1	2	1	1	2	2	1	3
Opium habit, . . .	2	2	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	1	3
Dipsomania, . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Voluntary, . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Totals, . . .	111	102	213	23	17	40	10	9	19	8	10	18	21	22	43	2	1	3	32	17	49	96	76	172

B. — Optum habit,

C. — Voluntary, . . .

14. — Discharges, classified by Admission and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	16	13	29	9	7	16	7	6	13	17	16	33	1	—	1	27	13	40	77	55	132
Second,	3	3	6	1	1	2	—	1	1	3	3	6	—	1	1	3	4	7	10	13	23
Third,	1	1	2	—	—	—	1	2	3	1	3	4	1	—	1	—	—	—	4	6	10
Fourth,	1	—	1	—	1	1	—	1	1	—	—	—	—	—	—	1	—	1	2	2	4
Fifth,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	2	—	2
Eighth,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Total of cases,	23	17	40	10	9	19	8	10	18	21	22	43	2	1	3	32	17	49	96	76	172
Total of persons,	23	17	40	10	9	19	8	10	18	21	21	42	2	1	3	32	17	49	—	—	—

15. — Causes of Death.

CAUSES.	Males.	Females.	Totals.
Exhaustion of mania, acute,	—	1	1
mania, acute and erysipelas,	—	1	1
melancholia, acute,	—	1	1
melancholia, acute and senility,	—	1	1
melancholia, chronic,	—	2	2
Apoplexy,	1	—	1
Embolism,	—	1	1
Epilepsy,	2	1	3
Epilepsy and tuberculosis,	2	—	2
Enteritis,	1	—	1
Gangrene of feet,	1	—	1
Senile gangrene,	1	—	1
Heart disease, valvular,	2	—	2
Heart disease and senility,	4	—	4
Malarial fever,	1	—	1
Nephritis,	2	—	2
Organic brain disease,	2	1	3
Paresis,	2	—	2
Pneumonia,	—	1	1
Pneumonia and senility,	4	—	4
Senile dementia,	5	3	8
Tuberculosis,	2	3	5
Cancer,	—	1	1
Totals,	32	17	49

16. — Recoveries, classified by Duration of Disease and of Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.								
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month, . . .	15	8	23	—	—	—	—	—	—	—	—	—	—	—	—
From 1 to 3 months, . . .	3	3	6	6	6	12	6	4	10	6	1	7	8	5	13
3 to 6 months, . . .	—	2	2	4	6	10	7	3	10	6	3	9	4	6	10
6 to 12 months, . . .	1	2	3	9	4	13	6	6	12	4	7	11	4	4	8
1 to 2 years, . . .	—	1	1	1	1	2	3	3	6	3	5	8	5	2	7
2 to 5 years, . . .	1	1	2	1	—	1	1	1	2	1	1	2	2	—	2
5 to 10 years, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10 to 20 years, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unknown, . . .	3	—	—	—	—	—	—	—	—	3	—	3	—	—	—
Totals, . . .	23	17	40	23	17	40	23	17	40	23	17	40	23	17	40
Average of known cases (in months),	2.2	3.2	2.5	6.4	4.9	5.7	8.4	7.9	8.2	7.5	8.9	8.4	9.4	6.0	8.1

17. — Deaths, classified by Duration of Disease and Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month,	1	1	2	4	2	6	—	1	1	—	1	1
From 1 to 3 months,	3	2	5	1	—	1	—	1	1	—	1	1
3 to 6 months,	—	3	3	2	2	4	—	1	1	—	1	1
6 to 12 months,	2	3	5	8	6	14	2	1	1	1	1	2
1 to 2 years,	6	3	9	3	2	5	6	5	4	7	4	11
2 to 5 years,	6	—	6	6	1	7	8	1	2	8	2	10
5 to 10 years,	4	1	5	2	2	4	3	3	3	3	3	6
10 to 20 years,	4	1	5	3	2	5	3	5	2	3	2	5
Over 20 years,	6	3	9	3	—	3	10	2	2	10	2	12
Totals,	32	17	39	32	17	49	32	17	49	32	17	49
Average of known cases (in months),	191.	55.5	78.7	71.2	42.2	61.1	162.2	97.6	160.3	176.6	108.5	152.9
										82.1	45.2	69.3

[illegible]

[illegible]

20. — Operations of the Hospital, from the Beginning, in Each Year.

	DISCHARGED AND DIED.												Whole Number of Cases in the Year.	Number of Patients at end of the Year.												
	ADMITTED.			RECOVERED.			MUCH IMPROVED.			IMPROVED.					UNIMPROVED.			NOT INSANE.			DIED.					
			Totals.			Totals.			Totals.			Totals.					Totals.			Totals.			Totals.			Totals.
	Males.	Females.		Males.	Females.		Males.	Females.		Males.	Females.				Males.	Females.		Males.	Females.		Males.	Females.		Males.	Females.	
1858,—2 months,	99	129	228	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	228	230
1858-59, . . .	46	47	93	18	15	33	9	9	18	—	4	2	2	4	7	5	12	19	12	19	7	12	19	313	313	
1859-60, . . .	73	94	167	19	16	35	12	10	22	10	22	2	2	4	2	2	4	—	—	—	9	18	27	398	310	
1860-61, . . .	71	53	124	18	17	35	14	14	28	14	28	4	7	11	4	7	11	15	15	30	15	15	30	434	330	
1861-62, . . .	64	48	112	19	15	34	—	—	—	—	—	27	15	42	9	5	14	1	—	—	9	9	10	442	332	
1862-63, . . .	70	68	138	12	16	28	16	10	26	16	10	26	4	3	7	4	3	7	—	—	19	7	26	470	383	
1863-64, . . .	47	45	92	30	19	49	—	—	—	—	—	19	15	34	4	6	10	1	1	1	17	30	47	475	334	
1864-65, . . .	70	61	131	17	16	33	—	—	—	—	—	14	15	29	8	5	13	—	—	—	17	24	41	468	352	
1865-66, . . .	75	61	136	16	10	26	—	—	—	—	—	12	7	19	5	2	7	—	—	—	18	13	31	488	405	
1866-67, . . .	61	77	138	24	18	42	—	—	—	—	—	15	13	28	6	7	13	—	—	—	23	24	47	543	413	
1867-68, . . .	68	84	152	21	19	40	—	—	—	—	—	22	27	49	5	7	12	—	—	—	25	18	43	565	421	
1868-69, . . .	84	85	169	31	18	49	—	—	—	—	—	23	33	56	20	38	58	—	—	—	13	12	25	590	402	
1869-70, . . .	90	112	202	23	27	50	—	—	—	—	—	15	43	58	22	34	56	2	2	2	22	11	33	604	405	
1870-71, . . .	109	102	211	16	27	43	—	—	—	—	—	23	41	64	31	30	61	—	—	—	16	12	28	616	420	
1871-72, . . .	101	98	199	25	15	40	—	—	—	—	—	33	27	60	22	27	49	—	—	—	19	18	37	619	433	
1872-73, . . .	102	79	181	19	29	48	—	—	—	—	—	37	22	59	23	29	52	1	1	1	13	8	21	614	433	
1873-74, . . .	105	88	193	25	12	37	—	—	—	—	—	24	19	43	27	18	45	—	—	—	14	11	25	626	476	
1874-75, . . .	75	78	153	16	13	29	—	—	—	—	—	21	24	45	17	21	38	—	—	—	23	18	41	629	461	
1875-76, . . .	76	77	153	19	13	32	—	—	—	—	—	18	31	49	24	23	47	—	—	—	18	19	37	629	461	
1876-77, . . .	68	71	139	15	18	33	—	—	—	—	—	8	13	21	15	17	32	—	—	—	21	21	42	603	475	

1877-78,	.	40	36	76	7	19	26	-	-	17	27	44	16	13	29	-	-	14	9	23	551	429
1878-79,	.	63	43	106	13	13	26	-	-	15	13	28	11	3	14	1	1	14	9	23	535	442
1879-80,	.	59	58	117	16	12	28	5	7	12	11	23	9	10	19	2	-	17	12	29	559	446
1880-81,	.	57	66	123	7	13	20	6	7	13	15	30	6	10	16	1	-	16	10	26	569	463
1881-82,	.	62	62	124	13	15	28	4	9	13	7	14	21	14	13	27	-	24	14	38	587	459
1882-83,	.	73	69	142	11	17	28	9	-	9	18	33	21	14	35	1	1	17	13	30	606	469
1883-84,	.	61	75	136	9	16	25	6	11	17	16	19	35	16	36	3	1	12	13	25	605	463
1884-85,	.	66	70	136	17	12	29	4	5	9	12	17	10	16	26	1	2	16	11	27	599	476
1885-86,	.	85	98	183	10	19	29	8	2	10	23	36	59	20	43	1	-	14	12	26	659	491
1886-87,	.	72	76	148	16	8	24	5	3	8	36	31	67	21	16	37	1	13	18	31	639	469
1887-88,	.	87	79	166	23	13	36	3	6	9	25	22	47	12	17	29	2	14	17	31	635	481
1888-89,	.	98	57	155	27	15	42	6	6	12	25	40	35	8	43	2	1	18	7	25	636	446
1889-90,	.	91	79	170	18	14	32	5	9	14	17	17	12	5	17	1	2	12	9	21	616	495
1890-91,	.	82	59	141	29	16	45	7	7	14	27	26	53	18	22	40	-	19	12	31	636	453
1891-92,	.	102	75	177	16	21	37	9	10	19	13	8	21	8	23	3	-	29	9	38	630	489
1892-93,	.	91	78	169	20	11	31	11	15	26	19	18	37	21	43	4	-	20	17	37	658	480
1893-94,	.	89	83	172	20	12	32	7	7	14	11	17	28	14	36	1	-	26	11	37	652	504
1894-95,	.	110	91	201	16	22	38	15	7	22	15	14	29	19	38	-	-	18	14	32	705	546
1895-96,	.	114	95	209	23	13	36	8	6	14	19	20	39	19	41	60	-	28	18	46	755	559
1896-97,	.	96	86	182	16	14	30	12	9	21	17	18	35	38	86	-	2	27	18	45	741	522
1897-98,	.	111	102	213	23	17	40	10	9	19	8	10	18	22	43	2	1	32	17	49	735	563

22. — *Classified Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65,	225.10	48.16	69.83	343.25
1865-66,	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67,	261.96	49.46	89.75	401.17
1867-68,	262.65	47.92	103.06	413.63
1868-69,	248.52	54.98	101.46	404.96
1869-70,	236.19	65.04	107.23	408.46
1870-71,	234.10	77.07	118.38	429.55
1871-72,	226.96	89.57	112.27	428.80
1872-73,	248.02	99.23	90.00	437.25
1873-74,	284.48	102.88	82.06	469.42
1874-75,	274.35	128.34	72.46	475.15
1875-76,	259.19	146.02	68.94	474.15
1876-77,	254.84	161.58	60.02	476.44
1877-78,	211.90	175.71	54.75	442.36
1878-79,	200.34	182.29	54.23	436.86
1879-80,	197.03	198.01	54.46	450.50
1880-81,	180.82	214.15	57.19	452.15
1881-82,	166.84	238.25	56.52	461.61
1882-83,	161.62	247.63	57.58	466.83
1883-84,	155.10	251.23	56.06	462.39
1884-85,	154.44	261.58	59.82	475.84
1885-86,	140.23	270.52	63.61	474.36
1886-87,	122.78	289.38	66.00	478.16
1887-88,	112.17	294.01	64.01	470.19
1888-89,	104.67	303.01	61.31	468.99
1889-90,	96.86	311.17	62.07	470.10
<i>Daily Average.</i>				
1890-91,	90.71	297.78	68.51	457.00
1891-92,	85.64	309.42	74.03	469.09
1892-93,	75.83	338.72	65.71	480.26
1893-94,	83.50	339.83	70.68	494.11
1894-95,	80.87	376.02	69.67	526.56
1895-96,	81.57	403.15	75.77	560.49
1896-97,	64.32	398.65	81.54	544.51
1897-98,	63.34	391.66	91.16	546.16

23. — *Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1898.*

OFFICIAL YEAR.	Whole No. of Patients.	Daily Average No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Average No. of Patients.
			Men.	Women.	Totals.		
1858-59, . .	313	229.55	7	12	19	6.07	8.27
1859-60, . .	398	255.96	9	18	27	6.78	10.54
1860-61, . .	434	314.26	15	15	30	6.91	9.54
1861-62, . .	442	313.80	9	10	19	4.29	6.05
1862-63, . .	470	355.28	19	7	26	5.53	7.31
1863-64, . .	475	357.63	17	30	47	9.89	13.14
1864-65, . .	469	342.40	17	24	41	8.76	11.97
1865-66, . .	488	376.35	18	13	31	6.35	8.23
1866-67, . .	543	401.03	23	24	47	8.65	11.71
1867-68, . .	565	413.41	25	17	43	7.61	10.40
1868-69, . .	590	405.10	13	12	25	4.23	6.17
1869-70, . .	604	408.83	22	11	33	5.46	8.07
1870-71, . .	616	421.90	16	12	28	4.54	6.64
1871-72, . .	619	428.72	19	18	37	5.97	8.63
1872-73, . .	614	437.23	13	8	21	3.42	4.80
1873-74, . .	626	469.54	14	11	25	3.99	5.32
1874-75, . .	629	475.35	23	18	41	6.52	8.62
1875-76, . .	629	474.21	18	19	37	5.88	7.80
1876-77, . .	603	476.16	21	21	42	6.96	8.82
1877-78, . .	551	442.43	14	9	23	4.17	5.19
1878-79, . .	535	436.73	14	9	23	4.29	5.27
1879-80, . .	559	450.51	17	12	29	5.19	6.44
1880-81, . .	569	451.79	16	10	26	4.57	5.75
1881-82, . .	587	461.66	24	14	38	6.47	8.23
1882-83, . .	606	466.76	17	13	30	4.95	6.42
1883-84, . .	605	463.05	12	13	25	4.13	5.39
1884-85, . .	599	475.94	16	11	27	4.51	5.67
1885-86, . .	659	474.40	14	12	26	3.94	5.48
1886-87, . .	639	478.55	13	18	31	4.85	6.47
1887-88, . .	635	470.25	14	17	31	4.88	6.59
1888-89, . .	636	469.10	18	7	25	3.93	5.32
1889-90, . .	616	470.50	12	9	21	3.40	4.46
1890-91, . .	636	457.00	19	12	31	4.87	6.78
1891-92, . .	630	469.09	29	9	38	6.03	8.10
1892-93, . .	658	480.26	20	17	37	5.62	7.70
1893-94, . .	652	494.11	26	11	37	5.67	7.48
1894-95, . .	705	526.56	18	14	32	4.53	6.07
1895-96, . .	755	560.49	28	18	46	6.09	8.21
1896-97, . .	741	544.51	27	18	45	6.07	8.26
1897-98, . .	735	546.16	32	17	49	6.66	8.97

24. — List of Articles made in the Sewing-room.

Aprons,	578	Napkins,	88
Bureau covers,	69	Night gowns,	78
Chemises,	285	Ox blankets,	4
Curtains,	77	Pillow cases,	674
Clothes bags,	3	Pillow ticks,	29
Carpet strips,	73	Roller towels,	256
Carpeting, yards,	131	Skirts,	269
Caps,	613	Shirts,	273
Dresses,	284	Sheets,	1,008
Drawers,	227	Sheets, double,	14
Feather ticks,	3	Towels,	1,158
Hats trimmed,	23	Table cloths,	95
Jumpers,	14	Underwaists,	20
Mattress ticks,	96	Articles repaired,	24,834

25. — Upholstery done in the Year.

Hair mattresses made, new material,	28
Hair mattresses made, new ticks,	144
Hair mattresses made, old material,	47
Hair pillows made, new material,	38
Hair pillows, new ticks,	42
Hair pillows made, old material,	58

The annexed table gives the annual product of hay :—

1864, estimated,	. . .	40 tons.	1882, weighed,	. . .	170 tons.
1865, “	. . .	62 “	1883, “	. . .	197 “
1866, “	. . .	42 “	1884, “	. . .	174 “
1867, weighed,	. . .	82 “	1885, “	. . .	251 “
1868, “	. . .	86 “	1886, “	. . .	269 “
1869, “	. . .	91 “	1887, “	. . .	302 “
1870, “	. . .	74 “	1888, “	. . .	305 “
1871, “	. . .	75 “	1889, “	. . .	331 “
1872, “	. . .	91 “	1890, “	. . .	336 “
1873, “	. . .	84 “	1891, “	. . .	295 “
1874, “	. . .	120 “	1892, “	. . .	315 “
1875, “	. . .	100 “	1893, “	. . .	262 “
1876, “	. . .	111 “	1894, “	. . .	289 “
1877, “	. . .	154 “	1895, “	. . .	364 “
1878, “	. . .	179 “	1896, “	. . .	328½ “
1879, “	. . .	144 “	1897, “	. . .	446 “
1880, “	. . .	154 “	1898, “	. . .	414 “
1881, “	. . .	213 “			

The annexed table gives the annual product of pork :—

1865,	6,265 pounds.	1882,	14,414 pounds.
1866,	5,443 “	1883,	15,612 “
1867,	7,416 “	1884,	10,192* “
1868,	7,791 “	1885,	17,544 “
1869,	8,469 “	1886,	21,503 “
1870,	7,447 “	1887,	26,331 “
1871,	7,863 “	1888,	18,465 “
1872,	11,366 “	1889,	19,227 “
1873,	10,511 “	1890,	25,189 “
1874,	12,024 “	1891,	32,621 “
1875,	12,693 “	1892,	31,074 “
1876,	12,467 “	1893,	23,505 “
1877,	13,605 “	1894,	21,873 “
1878,	14,451 “	1895,	15,718* “
1879,	13,569 “	1896,	31,163 “
1880,	14,729 “	1897,	41,374 “
1881,	15,610 “	1898,	34,289 “

* Quantity diminished by disease.

Farm Products in 1898.

Hay (first growth), 324 tons, . \$3,888 00	Cabbage, 2,542 heads, . . \$76 26
Hay (second growth), 89½ tons, 1,074 00	Celery, 2,000 heads, . . 55 50
Hay (second quality), 4 tons, . 24 00	Apples, 690 bushels, . . 1,035 00
Ensilage, 125 tons, . . 437 00	Pears, 17½ bushels, . . 17 50
Straw, 7 tons, . . 84 00	Quinces, 4½ bushels, . . 5 63
Corn shell, 480 bushels, . . 240 00	Watermelons, 18,355 pounds, . 183 55
Broom brush, 1,100 pounds, . 44 00	Muskmelons, 8,831 pounds, . 88 31
Broom seed, 65 bushels, . . 26 00	Currants, 11 bushels, . . 28 11
Rye, 175 bushels, . . 87 50	Milk, 178,296 quarts, . . 8,914 80
Beans (string), 149 bushels, . 74 50	Eggs, 472½ dozen, . . 137 59
Beans (shell), 35 bushels, . 17 50	Beef, 12,282 pounds, . . 817 87
Potatoes, 2,374 bushels, . . 1,187 00	Veal, 551 pounds, . . 56 10
Carrots, 161 bushels, . . 64 40	Pork, 34,289 pounds, . . 1,648 40
Beets (table), 411½ bushels, . 205 75	Pigs (roast), 7, . . 14 00
Beets (sugar), 240 bushels, . 48 00	Pigs sold, 303, . . 1,034 72
Onions, 302½ bushels, . . 151 25	Chickens, 765, . . 152 40
Turnips, 700 bushels, . . 280 00	Calves sold, 28, . . 162 50
Sweet corn, 284 bushels, . . 142 00	Cider, 65 barrels, . . 166 40
Pease, 155 bushels, . . 155 00	Cauliflower, 18 heads, . . 1 44
Cucumbers, . . 72 25	Parsnips, 70 bushels, . . 42 00
Squash (summer), 107 bushels, 53 50	Strawberries, 186 quarts, . . 18 60
Squash (winter), 14,800 pounds, 148 00	Wood, 35 cords, . . 70 00
Swiss chard, 117½ bushels, . 58 75	Posts, 140, . . 21 00
Lettuce, 129 bushels, . . 129 00	Lumber, 18 M feet, . . 252 00
Tomatoes, 195 bushels, . . 97 50	Ice, 300 tons, . . 300 00
Asparagus, 26½ bushels, . . 58 63	Corn fodder, 15 tons, . . 75 00
Pie plant, 115½, . . 86 63	Potatoes for feeding, 325 bushels, 32 50
Spinach, 29½ bushels, . . 22 13	

26. — Trustees of the Northampton Lunatic Hospital.

NAMES.	Residence.	When app'ted.	Service ended.	From What Cause.
Charles E. Forbes,* . .	Northampton, . .	1856	1857	Term expired.
Lucien C. Boynton,* . .	Uxbridge, . . .	1856	1858	Term expired.
Eliphalet Trask,* . .	Springfield, . .	1856	1875	Term expired.
John C. Russell,* . .	Great Barrington, .	1856	1859	Resigned.
Horace Lyman, . . .	Greenfield, . . .	1856	1857	Removed.
Charles Smith,* . . .	Northampton, . .	1857	1860	Resigned.
Luther V. Bell,* . . .	Somerville, . . .	1857	1859	Resigned.
Zebina L. Raymond,* .	Greenfield, . . .	1858	1859	Resigned.
Franklin Ripley,* . .	Greenfield, . . .	1859	1860	Died in office.
Edward Dickinson,* . .	Amherst, . . .	1859	1864	Resigned.
Walter Laffin,* . . .	Pittsfield, . . .	1859	1866	Term expired.
Silas M. Smith,* . . .	Northampton, . .	1860	1863	Term expired.
Charles Allen, . . .	Greenfield, . . .	1860	1861	Resigned.
Alfred R. Field,* . . .	Greenfield, . . .	1861	1864	Resigned.
Edward Hitchcock, . .	Amherst, . . .	1863	1879	Resigned.
Silas M. Smith,* . . .	Northampton, . .	1864	1887	Died in office.
Edmund H. Sawyer,* . .	Easthampton, . .	1864	1879	Died in office.
Henry L. Sabin,* . . .	Williamstown, . .	1866	1876	Term expired.
Adams C. Deane, M.D., .	Greenfield, . . .	1875	1898	Resigned.
Henry W. Taft, . . .	Pittsfield, . . .	1876	1893	Term expired.
William M. Gaylord, . .	Northampton, . .	1879	1883	Term expired.
Lyman D. James, . . .	Williamsburg, . .	1879	—	Still in office.
Christopher Merritt, . .	Springfield, . . .	1883	1888	Term expired.
Sarah A. Woodworth, . .	Chicopee, . . .	1884	—	Still in office.
Sarah M. Butler, . . .	Northampton, . .	1884	—	Still in office.
John L. Otis,* . . .	Florence, . . .	1887	1890	Resigned.
N. A. Leonard,* . . .	Springfield, . . .	1888	1890	Died in office.
Alvan Barrus, . . .	Goshen, . . .	1890	—	Still in office.
Elisha Morgan, . . .	Springfield, . . .	1890	—	Still in office.
William D. MacInness, . .	Pittsfield, . . .	1893	—	Still in office.
F. W. Chapin, M.D., . .	Springfield, . . .	1898	—	Still in office.

* Deceased.

27.— *Officers and Employees.*

[Time employed Oct. 1, 1898.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	9	—	7
Charles M. Holmes, M.D., assistant physician,	9	2	21
Emma W. Mooers, M.D., assistant physician,	—	7	—
Payn B. Parsons, M.D., assistant physician,	1	1	26
Justus G. Hanson, M.D., junior assistant,	—	1	23
Lewis F. Babbitt, clerk and treasurer,	6	11	19
Ida A. Porter, matron,	—	2	—
John Mercier, farmer,	31	2	—
Walter I. Dodge, engineer,	3	5	—
Robert H. Gallivan, supervisor,	25	5	13
Lucy A. Gilbert, supervisor,	31	7	20
Amelia Seaman, assistant clerk,	1	3	—
Elizabeth Bycraft, assistant supervisor,	7	—	1
Jeremiah McKenna, steward,	4	5	15
George B. Walker, baker,	14	3	18
Bradamante Fairbanks, seamstress,	6	6	16
Martha H. Williams,	—	10	7
Charles E. Marshall, laundryman,	4	8	16
Mattie G. Jones, assistant seamstress,	6	10	16
Mary A. Turner, assistant laundress,	1	2	14
Herbert E. Walker, assistant baker,	—	6	18
Martin V. B. Vance, attendant,	6	8	7
Samuel L. Williams, attendant,	6	3	4
Herbert R. Sears, attendant,	4	6	21
Alpheus D. King, attendant,	3	5	24
Ernest V. Carpenter, attendant,	2	10	1
William J. Moore, attendant,	1	11	4
Bernard Kilkenny, attendant,	—	1	13
Jay E. Cook, attendant,	1	4	—
Frank W. Coburn, attendant,	—	8	12
Thomas Bullman, attendant,	—	3	21
William Dunn, attendant,	—	4	17
Richard Gates, attendant,	—	1	—
Geo. H. Richards, attendant,	—	5	18
E. Young, attendant,	—	1	—
S. Young, attendant,	—	1	—
Frank M. Hunnewell, attendant,	—	1	10
Geo. B. Gardner, attendant,	—	7	20
Nathan W. Williams, attendant,	—	1	7
Robert Pike, attendant,	—	3	30
William B. Wilson, night attendant,	—	1	19
William Tracy, night attendant,	—	1	11
Henry W. Reed, night attendant,	—	2	6
J. Bertram Sill, night attendant,	—	3	20
Mary Morris, attendant,	2	9	29
Alice Collins, attendant,	2	2	20
Mary Hall, attendant,	2	1	7
Ellen Buchan, attendant,	2	1	—
Carrie McPherson, attendant,	—	—	21
Mary A. Clark, attendant,	—	6	18

27. — *Officers and Employees* — Concluded.

NAMES.	Years.	Months.	Days.
Bella B. Edwards, attendant,	—	—	10
Daisy E. Negus, attendant,	—	—	16
Etta E. Cook, attendant,	—	2	24
Helen Buchan, attendant,	—	11	29
Anna Checkley, attendant,	—	11	18
Bridget Frawley, night attendant,	4	—	21
Grace Chapman, night attendant,	—	6	8
Jeannie Scott, night attendant,	—	—	10
Mary Cass, farmers' dining-room,	—	11	7
Susie Warren, centre housework,	4	6	9
Alexandria Grenier, centre housework,	—	4	16
Lynne A. Bush, centre housework,	1	5	14
Frances Hack, cook,	—	7	26
Mary McNamara, assistant cook,	2	—	12
Lizzie McNamara, assistant cook,	2	—	12
Julia Sheehan, assistant cook,	1	4	24
Abbie Mara, assistant cook,	1	—	—
Julia Kennedy, assistant cook,	—	5	7
Nora Burns, rear housework,	4	3	11
Wilson E. McCray, assistant engineer,	—	7	29
George W. Thorniley, florist,	5	5	12
William Day, fireman,	1	—	—
Nicholas Reil, gardener,	22	2	6
Sifroi Bellville, carpenter,	28	4	—
Walter M. Tower, carpenter,	20	8	1
Alfred Parenteau, painter,	32	1	18
David Mercier, coachman,	21	7	14
Benjamin Rockwell, assistant farmer,	31	4	—
Henry M. Wilson, assistant farmer,	19	5	8
James Madden, assistant farmer,	22	—	29
Patrick Eagan, assistant farmer,	6	1	8
Thomas Donahoe, assistant farmer,	5	11	—
Xavier Dion, assistant farmer,	5	3	17
Charles Ulrich, assistant farmer,	2	5	8
Lyman W. Searles, assistant farmer,	1	8	15
George N. Drury, assistant steward,	1	—	—
John Bourke, car boy,	5	4	14

PUBLIC DOCUMENT

. . . . No. 21.

FORTY-FOURTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON INSANE HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1899.

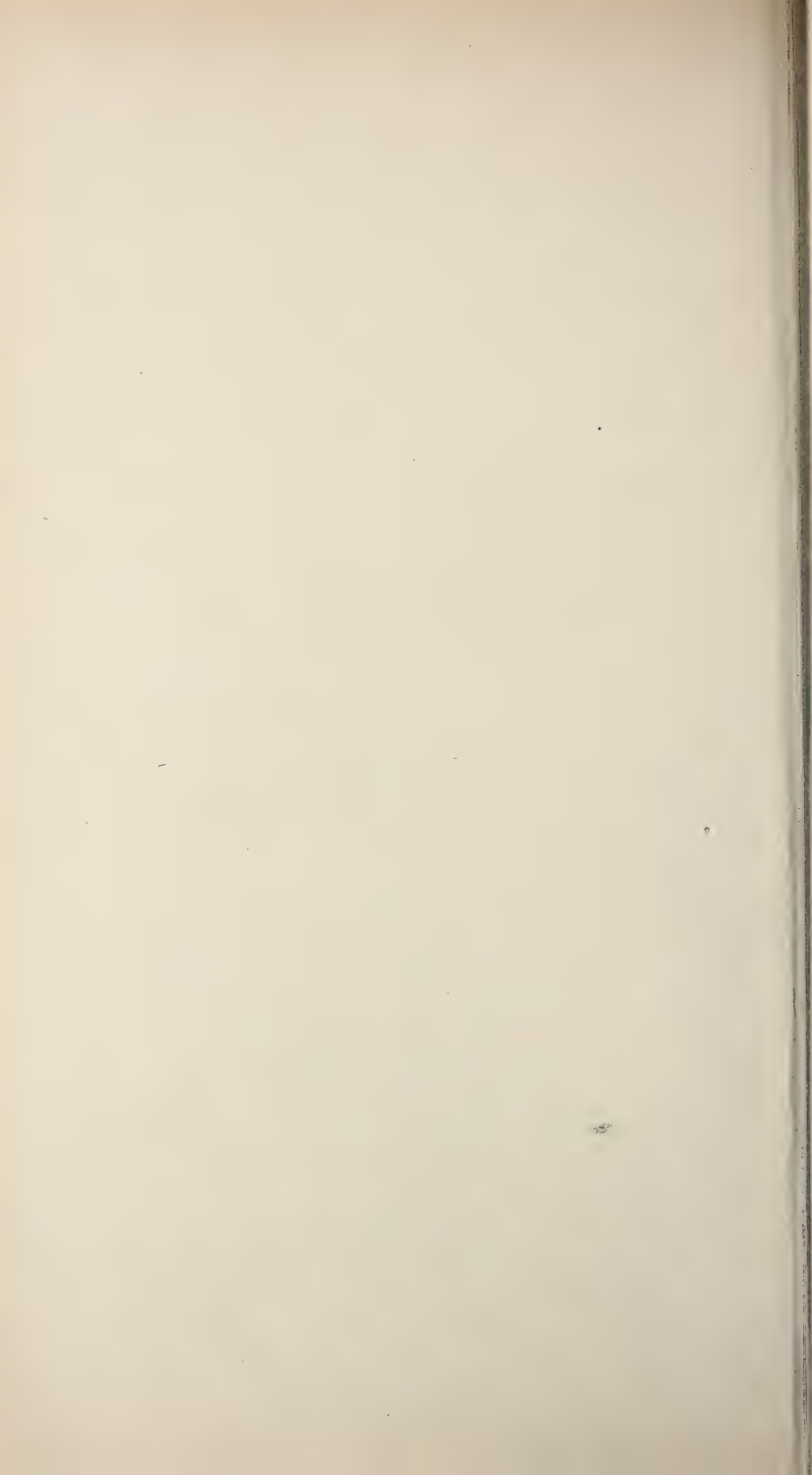
BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1900.

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FORTY-FOURTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON INSANE HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1899.

Mass. Northampton state hospital

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WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

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May 11

STATE HOUSE WASHINGTON
Office of Govt

STATE HOUSE WASHINGTON
OFFICE OF GOVERNMENT
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OFFICERS

OF THE

NORTHAMPTON INSANE HOSPITAL.

TRUSTEES.

WILLIAM D. MACINNES,	PITTSFIELD.
LYMAN D. JAMES,	. . . . .	WILLIAMSBURG.
ELISHA MORGAN,	. . . . .	SPRINGFIELD.
ALVAN BARRUS,	. . . . .	GOSHEN.
SARAH A. WOODWORTH,	. . . . .	CHICOPEE.
SARAH M. BUTLER,	. . . . .	NORTHAMPTON.
F. W. CHAPIN, M.D.,	. . . . .	SPRINGFIELD.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	. . . . .	<i>Superintendent.</i>
E. STANLEY ABBOT, M.D.,	. . . . .	<i>1st Assistant Physician.</i>
PAYN B. PARSONS, M.D.,	. . . . .	<i>2d Assistant Physician.</i>
EMMA W. MOOERS, M.D.,	. . . . .	<i>Assistant Physician.</i>
JUSTUS G. HANSON, M.D.,	. . . . .	<i>Assistant Physician.</i>
LEWIS F. BABBITT,	. . . . .	<i>Clerk.</i>
IDA A. PORTER,	. . . . .	<i>Matron.</i>
JOHN MERCIER,	<i>Farmer.</i>
WALTER I. DODGE,	<i>Engineer.</i>

TREASURER.

LEWIS F. BABBITT,	NORTHAMPTON.
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Office at the Hospital.

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton Insane Hospital present their forty-fourth annual report, together with the reports of the superintendent and the treasurer.

The additions and alterations provided for by the appropriation of the Legislature of 1898 have been carried forward to near completion.

The repairs which the wear and tear of such an institution make necessary have been attended to, and wherever possible improvements have been made to add to the efficiency of the various departments of the hospital.

Early in the official year an addition to the underground coal bunkers was made, which will increase their capacity about five hundred tons, so that now about seven hundred tons of coal can be stored at the hospital, near the boilers. With this capacity it is easy to regulate the time of hauling coal; whereas in former years it has been inconvenient, at times, to keep a sufficient supply on hand when the hospital teams were needed for other work.

A contract has recently been made with the New York, New Haven & Hartford Railroad for a side track on a lot owned by the hospital on Earle Street, about a third of a mile from the hospital. This side track will greatly facilitate the delivery

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WILLIAM D. MACINNES,	PITTSFIELD.
LYMAN D. JAMES,	WILLIAMSBURG.
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ALVAN BARRUS,	GOSHEN.
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TREASURER.

LEWIS F. BABBITT,	NORTHAMPTON.
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of supplies shipped in bulk, and will save considerable expense and annoyance in the delivery of coal especially. It is the intention of the trustees to build, during the coming year, a coal shed near this side track, so that there and at the hospital nearly a year's supply of coal may be stored.

Within the year a passenger elevator has been put in the administration building, the cost of which was paid from the funds of the hospital. It is of the plunger type, which is the safest and most practical form for our use. The elevator car runs from the basement to the upper floor. It is large enough to accommodate a bedstead or a stretcher for the transfer of patients between the different wards of the hospital. It proves to be a very useful addition to the hospital equipment.

An appropriation of \$12,000 was made in 1899 by the Legislature for the purpose of constructing a building for cold storage. Prices of building materials of all kinds have advanced to such an extent that the trustees have considered it advisable to delay the construction of this building till next season.

From the superintendent's report it appears that the number of patients in the hospital is steadily increasing, and that a large number have to be accommodated in the corridors at night. If this hospital is to continue caring for the insane of the four western counties of the Commonwealth, more room should be provided. The trustees propose to build an addition this year, to be used as a dormitory for the women. This will be large enough to accommodate all the cases for whom beds have to be made in the corridors. It is planned to build this largely with our own help, and we hope to begin the work soon, so that it may be carried on during the winter.

So long ago as 1882 the annual report of this hospital called attention to the desirability and need of an annex for the care of the recent or curable cases, making mention of the overcrowding of the hospital. At that time the daily average number of patients was 469. To-day it is 563, and though since then the accommodations have been increased, they are still inadequate to the needs of the western part of the State. It is the aim of the institution to become a hospital in fact as well as in name. With the present accommodations we can

not properly care for the sick. A building is much needed in which the infirm, the acute cases and the convalescent cases may be cared for. The trustees have mentioned the need of such a building in the reports for the years 1893, 1894 and 1897. Plans were drawn and bids submitted for the construction of a building for that purpose in 1894. At that time it could have been built for about \$40,000.

The present season has been a very favorable one for the farm, the crops, as a rule, presenting a larger yield than last year, excepting the apple crop, which was the smallest for many years. Several acres of land have been cleared of brush and stone, have been underdrained and planted. New roads have been constructed, fences put in order and farming implements kept in repair or replaced. An electric motor has been placed in the barn, to furnish power for cutting ensilage and feed and for grinding corn.

To store the products of the farm and farm tools and vehicles and to care for the cattle is a question of increasing importance. The hospital, with a greater number of patients and with a more liberal dietary, requires more milk. Enough hay and grain can be raised on the farm to keep more milch cows than we now have, but the limit of accommodation has been reached. The present quarters for the cows are quite unsuitable for the purpose, being in the basement of a barn built nearly forty years ago, when light and ventilation were not considered essential for cows. Experience has shown that cows are quite susceptible of disease, and require the best possible facilities for light and air. The trustees think it their duty to again call attention to the need of a new barn and cow stable. Reference is made to our report for the year 1898 on this subject.

In 1898 Dr. A. C. Deane resigned as trustee, because of failing health and strength, much to the regret of his associates. At the time of his resignation he had served longer than any other member of the Board, having been appointed in 1875. He always took an active interest in the hospital and was seldom absent from the regular meetings of the Board. His valued counsel and assistance is very much missed.

The vacancy caused by the resignation of Dr. Deane was filled by the appointment of Dr. F. W. Chapin of Springfield.

There has been but one change in the staff during the year. The position of first assistant physician, made vacant by the death of Dr. Charles M. Holmes, of which notice was taken in the report for last year, was filled by the appointment of Dr. E. Stanley Abbot, who has had several years of experience at McLean Hospital and at the Boston City Hospital.

WILLIAM D. MACINNES.
LYMAN D. JAMES.
ELISHA MORGAN.
ALVAN BARRUS.
SARAH A. WOODWORTH.
SARAH M. BUTLER.
F. W. CHAPIN.

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1899.

Live stock on farm,	\$8,995 00
Products of farm on hand,	7,981 57
Carriages and agricultural tools,	3,500 00
Machinery and mechanical fixtures,	15,000 00
Beds and bedding in inmates' department,	12,500 00
Other furniture in inmates' department,	8,250 00
Personal property of State in superintendent's department,*	8,000 00
Ready-made clothing,	1,048 44
Dry goods,	1,461 72
Bedding,	754 65
Small wares,	435 26
Miscellaneous,	1,774 15
Provisions and groceries,	2,070 57
Drugs and medicines,	817 00
Fuel,	923 10
Library,	1,000 00
Paints and oils,	500 00
	<hr/>
	\$75,011 46

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing-room and other departments.

TREASURER'S REPORT.

To the Trustees of the Northampton Insane Hospital.

I respectfully submit the following report of the finances of this institution for the year ending Sept. 30, 1899 : —

ASSETS.

Four hundred and ninety-three acres of land, .	\$53,000 00
Hospital building,	480,000 00
Farm-house, \$1,700 ; brick house, \$1,700, . .	3,400 00
Three dwellings,	2,000 00
Storehouse and shops,	20,000 00
Two barns,	4,000 00
Horse stable,	1,900 00
Lumber-house,	850 00
Pump-house,	500 00
Cart shed,	400 00
Piggery,	3,000 00
Fire-proofs for oils and paints,	500 00
Two ice-houses,	300 00
	\$569,850 00

PERSONAL ESTATE.

Stocks and supplies, as per inventory,	\$75,011 46
--------------------------------------------------	-------------

RECEIPTS.

Cash on hand Sept. 30, 1898,	\$1,252 40
Receipts from State Treasurer,	10,866 61
from towns,	68,947 02
from individuals,	22,028 35
from sales,	3,392 03
from interest,	183 97
Cash belonging to patients,	952 14
	\$107,622 52

PAYMENTS.

Salaries and wages,	\$37,922 50	
Provisions and supplies:—		
Meats of all kinds,	\$6,012 23	
Fish of all kinds,	1,395 72	
Fruit and vegetables,	1,742 73	
Flour (655 barrels),	2,588 25	
Grain and meal for table,	324 27	
Tea, coffee and chocolate,	1,041 69	
Sugar and molasses,	2,629 70	
Grain and meal for stock,	3,869 38	
Butter and cheese,	4,774 69	
Other groceries,	2,344 70	
All other provisions,	1,899 33	
		28,122 69
Clothing,		3,637 53
Fuel and lights,		8,820 87
Medicine and medical supplies,		1,136 39
Furniture, beds and bedding,		5,481 56
Transportation and travelling expenses,		1,030 23
Ordinary construction and repairs,		1,983 59
Farm stock,	\$902 00	
Farm supplies,	2,561 62	
Water,	1,171 18	
Minor expenses,	1,949 91	
Contingencies,	814 20	
		7,398 91
Total current expenses,		\$95,534 27
Extraordinary expenses,	\$5,592 78	
Paid loan,	3,000 00	
Cash refunded patients,	319 11	
		8,911 89
		\$104,446 16
Cash on hand Sept. 30, 1899,		3,176 36
		\$107,622 52

RESOURCES.

Cash on hand,	\$3,176 36	
Due from Commonwealth,	3,868 11	
from cities and towns,	17,551 18	
from individuals,	6,417 38	
		\$31,013 03

LIABILITIES.

Salaries and wages due Oct. 1, 1899,	\$3,222 18	
Miscellaneous bills due,	5,342 63	
Patients' money,	1,703 83	
		\$10,268 64

SUMMARY.

Total receipts,	\$107,622 53
Total payments,	104,446 16
Cash on hand Sept. 30, 1899,	\$3,176 36
Total liabilities,	\$10,268 64
Total debts due institution,	31,013 03
Total expenditures,	104,446 16
Deducting from total expenditure,	\$104,446 16
The extraordinary expenses,	\$5,592 78
Paid on loan account,	3,000 00
Cash refunded patients,	319 11
	8,911 89
We have the current expenses,	\$95,534 27
Dividing the current expenses,	\$95,534 27
By the average number of inmates gives the average annual cost,	169 59
Equivalent to an average weekly cost of,	3 26

LEWIS F. BABBITT,

Treasurer.

I have examined, as auditor, the accounts of the treasurer, and found a satisfactory voucher for every entry.

LYMAN D. JAMES,

*Auditor.**Special Appropriations.*

	Appropriations.	Amount expended.	Balance Oct. 1, 1899.
Improvements in administration building, . . .	\$45,000 00	\$38,263 52	\$6,736 48
Cold storage building,	12,000 00	-	12,000 00

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Insane Hospital.

The report of the operations of the hospital for the year ending Sept. 30, 1899, is hereby respectfully submitted.

At the beginning of the year there were in the hospital 563 patients. During the year 220 were admitted, making the whole number under treatment 783; 141 were discharged and 52 died, leaving 590 in the hospital at the end of the official year. Of the patients remaining Sept. 30, 1899, 89 were supported by friends, 411 by towns and 90 by the State.

The daily average, 563, was the largest in the history of the hospital.

ADMISSIONS AND DISCHARGES.

For many years less than half of the admissions have been of persons born in the Commonwealth. Of the admissions this year, 43 per cent. were born in Massachusetts, 38 per cent. were of foreign birth and about 60 per cent. were of foreign parentage. The majority of the cases came from the cities and towns or manufacturing places, the rural districts furnishing only about 25 per cent. of the admissions.

The principal causes were, as usual, intemperance, heredity, senility, congenital defect and arrested development. There is a steady increase in the number of senile cases admitted. The following table shows both the actual and the relative increase, by five-year periods, since 1868, of cases admitted who were over seventy years of age : —

FIVE-YEAR PERIODS.	Average Number of Old People for Each Year of the Period.	Proportion of Old People to Each One Hundred Admissions.
1868-1873, " " " " " " " "	2.0	1.2
1873-1878, " " " " " " " "	2.6	2.3
1878-1883, " " " " " " " "	3.6	3.6
1883-1888, " " " " " " " "	5.0	4.5
1888-1893, " " " " " " " "	10.0	8.2
1893-1898, " " " " " " " "	15.0	9.7

In 1899 there were 22 cases over seventy years of age admitted, — 10 per cent. of all the admissions. Such an increase in the number of senile cases means more work and care for the nurses, a smaller proportion of recoveries and a larger death rate, and, inasmuch as these cases are seldom removed from the hospital till death comes as a release, a daily average population growing larger each year. Most of these cases are undoubtedly made more comfortable here than they were at home, but occasionally there is reason to believe that the comfort of the ones left at home is considered rather than that of the patient.

There was a large proportion who on admission were considered not likely to improve mentally, in some cases because of the condition of the patients on admission, in others because of the form of insanity or its long existence prior to admission. One hundred and fourteen of the 220 admissions were of this class.

One hundred and forty-one cases were discharged during the year, as follows: recovered, 56; much improved, 21; improved, 21; not improved, 40; and not insane, 3. Those classed as not insane were, 1 voluntary case admitted twice within the year, and 1 case admitted because of addiction to the drug habit.

Seventy-nine cases were allowed to leave the hospital on trial, with the privilege of returning within sixty days, if necessary. Of these, 53 were able to remain at home. The majority, if not all, of the 26 cases who returned from trial visit away from the hospital were not considered by the medical staff to be favorable cases for trial at home, but were allowed to go to satisfy friends and relatives as to whether there was further need of hospital care. So far as the experience of this hospital goes, it is a wise provision of law to allow these visits on trial. It gives to suitable cases the benefit of a trial under conditions that may prove more favorable for a speedy recovery. It also operates to remove from the minds of many the idea that the hospital is a prison, discharge from which is obtained only with great difficulty.

There were 52 deaths within the year, — the largest number in the history of the hospital, though the proportion to the whole number under treatment has been larger in eight other

years. Of those who died, 24 were sixty years of age or over and 15 were over seventy years of age, the average age of the 52 cases being fifty-five years. The duration of the insanity in 40 of these cases was over two years, and in only 5 cases was it under one year. One case was moribund on admission, and died within half an hour. One case had been in the hospital nearly thirty-nine years. The average length of hospital residence was a little over four years. Of the five who had been insane less than one year, the hospital residence was half an hour, four days, seven days and one month, respectively. Forty-five of the cases had chronic and incurable forms of mental disease.

By reference to Table 21, appended to this report, it will be seen that the hospital is caring for nearly 100 more patients than it was ten years ago. Within this same period the number of nurses has nearly doubled. To provide accommodations for this increase of nurses, rooms formerly occupied by patients have been taken. As a result of the increased number of patients, with fewer rooms, about one hundred beds have to be made up each night in the corridors. A great amount of work that should not be necessary is entailed in the making of so many beds at night and in putting them away again for the day. There is sufficient day room for the patients now in the hospital, but more sleeping room is required. Before long, too, better accommodations should be provided for the nurses, so that when off duty, and especially at night, they may be away from the disturbances of the wards.

Attention is again called to the urgent need of a building in which we can more conveniently care for the invalids and the convalescents, and where we can give proper treatment to the recent and recoverable cases.

MEDICAL WORK, TREATMENT, ETC.

Regular meetings of the staff have been held for the consideration and discussion of all the cases admitted. These meetings have proved to be of much advantage and interest. It is proposed to devote an evening regularly to the discussion of the classification of mental diseases, the present system being frequently meaningless and insufficient, often misleading and generally unscientific.

During the winter and spring lectures to all the nurses were given regularly each week by members of the medical staff, clinical instruction on the wards being given by the superintendent of nurses. Since early in the summer no nurses have been employed except those who were applicants for a place in the training school.

Considerable study of the value of hydrotherapy was made during the year, with interesting results. Dr. Abbot reports as follows: "During the year wet packs were given to twenty-five patients, chiefly those much excited. To some they were given regularly every day for periods varying from a week to eight or ten weeks; to others they were given occasionally, to meet special indications. Six of these patients expressed a sense of benefit from their use, and helped the nurses, even asking to have them given; eleven made no objection to them; and eight expressed a dislike to the cold at first, and objected to them. The results have been as follows: no appreciable effect in two; harmful effect in none; improved nutrition, sleep and behavior in all who had them regularly, for even so short a time as a week. The cases treated included paresis, epilepsy, acute melancholia, chronic melancholia, acute mania, chronic mania and mental deficiency."

During the year it was necessary to use restraint in only three cases, all recent admissions. In each case it was used solely for the benefit of the patient and for a brief period only, in two cases for part of a day, in the third case for parts of three days.

No hypnotics whatever have been used during the year, except a few doses of trional given to a case addicted to the opium habit. In this case it was given to take the place of the opiate to which the patient was accustomed.

EMPLOYMENT, AMUSEMENTS, ETC.

A large number of patients have found employment during the year in the different departments of the hospital. The women were employed in the care of their rooms, the wards and the dining rooms; they have helped in the sewing-room, kitchen and laundry; and have picked currants, berries and pease. Some light regular employment is expected of all who are able to do anything. As many men as possible have been

employed in the wards, in the shops, helping the carpenters and painters, on the farm and about the grounds. There has been a large amount of grading and of excavating done by them within the year. Every year they make many mattresses and pillows. Reference is made to tables 23 and 24, appended to this report, for the amount of upholstery done, also for the number of articles made in the sewing-room.

Early in the year a graduate of the Boston Normal School of Gymnastics was engaged to take charge of gymnastics for patients and nurses and to give instruction to the nurses in massage. Her duties included the direction of athletics and games of all sorts, indoors and out. She also devoted considerable attention, for a certain period each day, under the direction of one of the staff, to individual patients, who offered some hope of improvement. Her work, while largely experimental, was considered beneficial, and with many of the patients she became a very popular official. She resigned in September, to accept a more desirable position. Another instructor will be engaged to carry on the work.

Services have been held in the Assembly Hall regularly on the Lord's Day, at which the clergymen in town have kindly officiated. Seventy evenings in the year there have been readings and recitations by some one of the official family, with music by the hospital choir.

In addition to the regular weekly dances held during the winter, twenty-four in number, the following entertainments have been given, and occasion is here taken to thank those who have kindly given their services on the different occasions:—

Mt. Holyoke College Glee Club and Miss Eastman, .	3 evenings.
Smith College Banjo Club,	2 evenings.
The Hampton Quartette,	1 evening.
Concert, home talent,	1 evening.
Graphophone,	1 evening.
Elocutionist,	2 evenings.
Whist parties,	2 evenings.
Ventriloquist,	1 evening.
Sleight of hand,	2 evenings.
Stereopticon lecture,	1 evening.
Scotch entertainer,	1 evening.
Lecture on Niagara Falls,	1 evening.
Mock art gallery,	1 evening.
Midsummer festival at pavilion,	Afternoon and evening.

The pavilion, which was presented to the hospital by Miss Martha Eastman of Amherst, was completed early in the autumn. This beautiful addition to the attractiveness of our grounds has been the daily resort of a large number of patients. The class in gymnastics made use of it, because it is more comfortable than the gymnasium is in warm weather. Two very pretty entertainments, which were planned by the young ladies of the household, were given there in the summer, about half of the number taking part being patients. The pavilion was decorated with plants and festoons and wreaths of evergreen, a hundred Chinese lanterns furnishing the illumination for pavilion and grove in the evening. Other entertainments to be held there have been planned, — a harvest festival, corn huskings, etc. ; and coasting parties in the winter will find it a convenient place for warmth and rest.

ACKNOWLEDGMENTS.

Our thanks are due to Mrs. Gorham and Mr. Bridgman of Northampton and to Mrs. Knowlton of Athol for books and magazines ; to the publishers of the "New England Zeitung," the "Christian Register" and the "Berkshire County Eagle," for regular copies of their papers ; to Miss Jessie Orr of Adams and to the Misses Eastman of South Hadley for fruit given at various times.

Till this year the hospital has been remarkably free from epidemics of disease, except in 1892, when the influenza was so prevalent. There was but little sickness in the hospital during the first eleven months in the year ; so little, in fact, as to be remarked upon at times by various officers. We seemed to have escaped to a great extent the diseases of the digestive tract so common heretofore in the summer and early fall. The second week in September, however, began a serious outbreak of typhoid fever. At first more employees, principally nurses, than patients, were taken sick. At the time of this writing there are about fifty cases, nearly equally divided between employees and patients, and also between men and women. Fifteen of the sick ones were nurses. This added greatly to the care and work, as well as to our anxiety. Those having the fever were grouped in three different wards for convenience

of nursing, and trained nurses were engaged from outside the hospital to care for them. It is with deep sorrow that we must record five deaths from this cause. Of the five who died, two were nurses. At the present time all the others are improving, and the majority of them are well on the road to recovery. As no new cases are now appearing, it is hoped that the epidemic is checked.

The State Board of Health is making a thorough investigation, with our own officials, but it is not possible now to locate the origin of the trouble. Our plumbing and ventilation are in excellent order.

During this period of anxiety and care the officers and employees in all departments of the hospital have willingly and faithfully attended to the extra work placed upon them. It gives me much pleasure to commend their sense of duty and devotion to the interests of the hospital.

J. A. HOUSTON.

DIETARY OF THE NORTHAMPTON INSANE HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons, and the second to those of somewhat over three hundred.]

BILL OF FARE No. 1.

BREAKFAST.

- Monday.* — Tea, coffee, broiled beefsteak, potatoes, warm rolls ("biscuit"), bread and butter.
- Tuesday.* — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.
- Wednesday.* — Tea, coffee, broiled beefsteak, potatoes and warm brown (rye and Indian) bread.
- Thursday.* — Tea, coffee, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.
- Saturday.* — Tea, coffee, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, cold corned beef, potatoes, warm rolls, bread and butter and fried Indian corn pudding.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable,† bread and butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal,‡ potatoes and one other vegetable,† bread and butter, and baked Indian pudding.
- Wednesday.* — Either fried or baked fresh fish or boiled mutton, potatoes and one other vegetable,† bread and butter, and berry or apple pudding, with sauce.§
- Thursday.* — Vegetable soup, corned beef, potatoes and one other vegetable,† bread and butter, and boiled suet pudding with syrup.

* Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

† At least three vegetables during the summer.

‡ Substituted in winter by fresh pork ribs, roasted.

§ In spring, maple syrup is used as sauce for puddings.

Friday. — Either boiled or roasted mutton* or stewed or roasted veal, potatoes and one other vegetable,† bread and butter, and tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable,‡ pickles, bread and butter, and baked bread pudding.

Sunday. — Stewed mutton, potatoes, warmed baked beans, pickles, bread and butter, and pies, the kind varying with the season.

SUPPER.

Monday. — Tea and bread, warm corn cake and butter, hard gingerbread and a relish ‡

Tuesday. — Tea, white bread, graham bread and butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.

Wednesday. — Tea, bread and butter, pie (the kind varying with the season) and ginger snaps and a relish.

Thursday. — Tea, bread and butter, cookies and cheese.

Friday. — Tea, bread and butter, cake (the kind varying) and a relish.

Saturday. — Tea, bread and butter, doughnuts and cheese.

Sunday. — Tea, bread and butter, cookies and ginger snaps and blanch-mange or corn starch.

Extra. — In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, boiled eggs, potatoes, and bread and butter.

Tuesday. — Coffee, cold roast beef, potatoes, and bread and butter.

Wednesday. — Coffee, meat stew, potatoes, and warm rye and Indian corn brown bread and butter.

Thursday. — Coffee, picked codfish cooked in milk, potatoes, and bread and butter.

Friday. — Coffee, cold corned beef or meat stew, potatoes, and bread and butter.

Saturday. — Coffee, hash, either of meat or fish, and bread and butter.

Sunday. — Coffee, cold baked beans, potatoes, and bread and butter.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,‡ boiled hominy with molasses and bread.

* Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

† At least three vegetables during the summer.

‡ This term, used for the want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruits, all of which are supplied, and each according to the season.

Tuesday. — Vegetable soup, potatoes and one other vegetable,* baked Indian pudding † and bread.

Wednesday. — Boiled fresh fish with drawn-butter sauce, potatoes and one other vegetable,* boiled hasty pudding with molasses and bread.

Thursday. — Vegetable soup, potatoes, cabbage or some other vegetable,* boiled rice with molasses ‡ and bread.

Friday. — Boiled codfish with drawn-butter sauce, potatoes, beets or some other vegetable, boiled hasty pudding with molasses and bread.

Saturday. — Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday. — Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday. — Tea, bread and butter, and hard gingerbread.

Tuesday. — Tea, bread and butter, and soft gingerbread.

Wednesday. — Tea, bread and butter, and some kind of relish.

Thursday. — Tea, bread and butter, and cookies.

Friday. — Tea, bread and butter, and soft gingerbread.

Saturday. — Tea, bread and butter, sauce.

Sunday. — Tea, bread and butter, and cookies.

EXTRAS.

In the winter and spring months, hulled corn at supper on Saturdays.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In four halls, sauce, of either fresh or dried apples, is furnished as often as three times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five bushels of green sweet corn in the ear is consumed in its season, daily, with the exception of Sunday.

Tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horse-radish as a condiment.

During eight months of the year apples are distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast milk toast, toast with dropped egg and boiled eggs, for invalids and all who are not able to take the regular fare.

* At least three vegetables in the summer.

† All baked puddings for the whole household are made with milk.

‡ Maple syrup is furnished, in place of molasses, three or four times in the spring.

STATISTICAL TABLES.



STATISTICAL TABLES.

1. — General Statistics of the Year.

	Males.	Females.	Totals.
Patients in the hospital Oct. 1, 1898, . . .	283	280	563
Admitted within the year,	115	105	220
Whole number of cases within the year, . .	398	385	783
Viz.: insane,	395	385	780
voluntary,	2	—	2
addicted to drug habit,	1	—	1
Discharged within the year,	103	90	193
Viz.: as recovered at the time of leaving the			
hospital,	32	24	56
as much improved,	7	14	21
as improved,	13	8	21
as not improved,	23	17	40
voluntary cases,	1	—	1
addicted to drug habit,	1	1	2
Deaths,	26	26	52
Patients remaining Sept. 30, 1899, . . .	295	295	590
Viz.: supported as State patients, . . .	52	38	90
town patients,	209	202	411
private patients,	34	55	89
Number of different persons within the year, .	392	380	772
Persons admitted,	113	104	217
Persons recovered,	32	24	56
Daily average number of patients, . . .	285.35	277.97	563.32
Viz.: State,	44.87	27.28	72.15
town,	206.27	196.97	403.24
private,	34.20	53.73	87.93

2. — *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1898.												
October,	4	6	10	11	12	23	3	2	5	275.03	272.42	547.45
November,	11	8	19	6	6	12	2	1	3	276.83	274.50	551.33
December,	7	1	8	8	5	13	3	1	4	281.87	274.26	556.13
1899.												
January,	7	5	12	5	4	9	2	2	4	281.06	273.65	554.71
February,	9	7	16	4	6	10	—	4	4	285.68	273.71	559.39
March,	14	8	22	14	13	27	—	2	4	292.16	273.68	565.84
April,	11	12	23	10	4	14	3	1	4	283.93	269.83	553.76
May,	12	15	27	10	11	21	2	1	3	289.06	277.94	565.00
June,	7	9	16	10	3	13	4	2	6	287.23	283.83	571.06
July,	11	9	20	8	7	15	2	4	6	288.58	287.55	576.13
August,	13	8	21	10	10	20	2	2	4	291.26	284.93	576.19
September,	9	17	26	7	9	16	1	4	5	293.47	289.33	582.80
Total of cases,	115	105	220	103	90	193	26	26	52	—	—	—
Total of persons,	113	104	217	103	90	193	—	—	—	—	—	—
Daily average,	—	—	—	—	—	—	—	—	—	285.35	277.97	563.32

3. — *Received on First and Subsequent Admissions.*

NUMBER OF ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	98	78	176	—	—	—
Second,	12	21	33	1	4	5
Third,	4	4	8	4	1	5
Fourth,	1	2	3	—	3	3
Total of cases,	115	105	220	5	8	13
Total of persons,	109	100	209	—	—	—

4. — *Relations to Hospitals of Persons admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane,	94	77	171
Former inmates of this hospital only,	17	27	44
of other hospitals only,	4	—	4
of this and other hospitals,	—	1	1
Total of cases,	115	105	220
Total of persons,	113	104	217

5. — *Residence of Persons admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	20	31	51
Hampden County,	57	41	98
Berkshire County,	21	15	36
Franklin County,	14	18	32
Barnstable County,	1	—	1
Suffolk County,	2	—	2
Totals,	115	105	220
Cities or towns,	90	73	163
Country districts,	25	32	57
Totals,	115	105	220

6. — *Nativity and Parentage of Persons admitted.*

PLACES OF NATIVITY.	PATIENTS.			PARENTS.					
				MALES.		FEMALES		TOTALS.	
	Ma.	Fe.	Tot.	Fa.	Mo.	Fa.	Mo.	Fa.	Mo.
Maine,	1	2	3	—	1	2	2	2	3
New Hampshire, .	3	1	4	4	5	1	1	5	6
Vermont, . . .	1	3	4	1	4	3	2	4	6
Massachusetts, .	53	40	93	31	26	24	27	55	53
Rhode Island, .	2	1	3	1	1	—	—	1	1
Connecticut, . .	3	5	8	5	4	4	3	9	7
New York, . . .	7	7	14	6	7	5	4	11	11
New Jersey, . .	1	—	1	—	—	—	—	—	—
Virginia, . . .	1	—	1	2	1	—	—	2	1
South Carolina, .	—	—	—	1	—	—	1	1	1
Ohio,	—	1	1	—	—	—	—	—	—
Illinois,	—	1	1	—	—	1	—	1	—
Michigan, . . .	—	1	1	—	—	—	—	—	—
Iowa,	—	—	—	—	—	—	1	—	1
Kansas,	1	—	1	—	—	—	—	—	—
Canada,	9	7	16	11	10	7	8	18	18
England,	4	4	8	5	5	4	2	9	7
Ireland,	19	18	37	34	36	33	34	67	70
Scotland, . . .	—	2	2	2	3	3	2	5	5
Austria,	—	1	1	—	—	1	1	1	1
Australia, . . .	1	—	1	—	—	—	—	—	—
Bohemia,	—	—	—	1	1	—	—	1	1
France,	—	1	1	—	—	1	1	1	1
Germany,	4	3	7	4	4	4	4	8	8
Russia,	2	—	2	2	2	—	—	2	2
Poland,	1	2	3	1	1	2	2	3	3
Bavaria,	—	1	1	—	—	1	1	1	1
Belgium,	—	1	1	—	—	1	1	1	1
Sweden,	1	—	1	1	1	—	—	1	1
Switzerland, . .	—	1	1	—	—	1	1	1	1
Unknown,	1	2	3	3	3	7	7	10	10
Totals,	115	105	220	115	115	105	105	220	220

7. — *Civil Condition of Persons admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	48	26	74	45	34	79	5	17	22	—	1	1	98	78	176
Second,	9	7	16	3	10	13	—	4	4	—	—	—	12	21	33
Third,	2	1	3	2	—	2	—	3	3	—	—	—	4	4	8
Fourth,	—	1	1	1	1	2	—	—	—	—	—	—	1	2	3
Total of cases, . .	59	35	94	51	45	96	5	24	29	—	1	1	115	105	220
Total of persons, . .	58	34	92	50	45	95	5	24	29	—	1	1	113	104	217

9. — Occupation of Persons admitted.

MALES.			
Architect,	1	Masons,	2
Barbers,	3	Machinists,	2
Baggage master,	1	Mechanics,	6
Brakeman,	1	Merchants,	3
Book-keeper,	1	Operatives,	7
Carpenters,	2	Photographer,	1
Cigar maker,	1	Physician,	1
Clerks,	2	Plumber,	1
Cook,	1	Painters,	3
Cutler,	1	Peddlers,	3
Detective,	1	Printer,	1
Farm laborers,	17	Shoemakers,	7
Harness maker,	1	Students,	4
Hotel proprietor,	1	Tailors,	2
Janitor,	1	Waiter,	1
Lawyer,	1	Whip maker,	1
Laborers,	18	Wood finisher,	1
Locomotive engineer,	1	No occupation,	12

FEMALES.			
Domestics,	5	Operatives,	6
Dressmaker,	1	Stenographer,	1
Housewives,	54	Waitress,	1
Housework,	14	Teachers,	4
Laundress,	2	None,	16

10. — Record of Cases admitted within the Year.

PATIENTS.	Males.	Females.	Totals.
Admitted,	115	105	220
Insane,	112	105	117
Dipsomania and drug habit,	1	—	1
Voluntary,	2	—	2
Discharged recovered,	18	11	29
much improved,	4	2	6
improved,	3	2	5
not improved,	7	6	13
dipsomania and drug habit,	1	—	1
voluntary,	1	—	1
Died,	7	5	12
Remaining Sept. 30, 1899,	74	79	153
Number likely to recover or improve, . .	16	22	38

11. — *Ages of Insane at First Attack, Admission and Death.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL						PERSONS DIED.					
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	5	-	5	-	-	-	-	-	-	-	-	-
15 years and less, . . .	1	1	2	-	-	-	-	-	-	-	-	-
From 15 to 20 years, . .	6	2	8	6	1	7	-	1	1	-	1	1
20 to 25 years, . . .	10	9	19	9	8	17	2	2	4	-	1	1
25 to 30 years, . . .	10	11	21	12	13	25	3	1	4	-	1	1
30 to 35 years, . . .	9	4	13	10	4	14	1	2	3	5	-	5
35 to 40 years, . . .	10	9	19	9	9	18	2	6	8	1	3	4
40 to 50 years, . . .	22	12	34	26	13	38	2	2	4	5	6	11
50 to 60 years, . . .	9	11	20	9	11	20	5	4	9	4	3	7
60 to 70 years, . . .	8	4	12	9	8	17	3	3	6	2	5	7
70 to 80 years, . . .	2	7	9	5	9	14	5	1	6	6	4	10
Over 80 years,	3	-	3	3	2	5	1	-	1	3	2	5
Unknown,	3	8	11	-	-	-	2	4	6	-	-	-
Total of persons, . .	98	78	176	98	78	176	26	26	52	26	26	52
Mean ages,	40+	41+	40+	42+	44+	43	52+	42+	47+	57+	53+	55+

12. — *Reported Duration of Disease before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	3	-	3	-	-	-	3	-	3
Under 1 month,	25	11	36	4	4	8	29	15	44
From 1 to 3 months, . . .	11	11	22	1	3	4	12	14	26
3 to 6 months,	3	14	17	-	2	2	3	16	19
6 to 12 months,	11	3	14	-	2	2	11	5	16
1 to 2 years,	11	6	17	1	-	1	12	6	18
2 to 5 years,	20	8	28	3	6	9	23	14	37
5 to 10 years,	4	10	14	4	6	10	8	16	24
10 to 20 years,	5	4	9	2	3	5	7	7	14
Over 20 years,	3	3	6	1	-	1	4	3	7
Unknown,	2	8	10	1	1	2	3	9	12
Total of cases,	98	78	176	17	27	44	115	105	220
Total of persons,	-	-	-	-	-	-	113	104	217
Average in years,	3.91	4.06	3.98	7.90	4.30	5.50	4.47	4.13	4.30

13. — *Form of Mental Disease in Cases admitted or discharged, with Condition on Discharge.*

FORM OF DISEASE.	CASES ADMITTED.			CASES DISCHARGED.												AGGREGATE.								
	Males.	Females.	Totals.	RECOVERED.		MUCH IMPROVED.		IMPROVED.		NOT IMPROVED.		NOT INSANE.		DIED.		Males.	Females.	Totals.						
				Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.									
A. — Insane : —																								
Mania, acute, . . .	9	18	27	7	14	21	1	5	6	1	1	2	1	4	5	2	3	5						
chronic, . . .	11	4	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
recurrent, . . .	3	8	11	1	4	5	1	1	2	—	—	—	—	—	—	—	—	—						
toxic, . . .	2	1	3	3	3	6	1	1	2	—	—	—	—	—	—	—	—	—						
acute delirious, . . .	1	1	2	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—						
puerperal, . . .	1	1	2	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—						
Melancholia, acute, . . .	13	20	33	5	11	16	2	1	3	2	2	4	1	3	4	1	1	2						
chronic, . . .	6	6	12	1	1	2	1	4	5	—	—	—	—	—	—	—	—	—						
recurrent, . . .	1	2	3	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—						
stuporous, . . .	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
senile, . . .	2	4	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
Insanity, circular, . . .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
acute alcoholic, . . .	17	2	19	13	1	14	—	—	—	—	—	—	—	—	—	—	—	—						
primary delu- sional, . . .	5	4	9	—	—	—	—	2	2	2	3	3	3	6	—	—	—	—						
acute confu- sional, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
Dementia, secondary, . . .	11	5	16	—	—	—	—	1	1	1	1	3	2	7	—	—	—	—						
senile, . . .	5	10	15	—	—	—	—	1	1	1	1	4	5	10	—	—	—	—						
organic, . . .	5	7	12	—	—	—	—	1	1	1	1	1	2	4	—	—	—	—						
Epilepsy, . . .	2	4	6	—	—	—	—	1	1	1	1	1	1	2	—	—	—	—						
traumatic, . . .	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—						
Paresis, . . .	13	3	16	—	—	—	—	1	1	1	2	2	4	7	—	—	—	—						
Congenital mental def- iciency, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
<i>Folie à deux</i> , . . .	5	10	15	—	—	—	—	1	1	1	2	1	3	8	—	—	—	—						
B. — Not insane : —																								
Optum habit, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
Cocainism, . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
C. — Voluntary, . . .	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
Totals, . . .	115	105	220	32	24	56	7	14	21	13	8	21	23	17	40	2	1	3	26	26	52	103	90	193

14. — Discharges, classified by Admission and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	26	20	46	7	9	16	11	6	17	18	13	31	1	1	2	24	19	43	87	68	155
Second,	5	2	7	—	3	3	1	2	3	5	3	8	1	—	1	2	7	9	14	17	31
Third,	1	—	1	—	1	1	1	—	1	—	1	1	—	—	—	—	—	—	2	2	4
Fourth,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Fifth,	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2
Total of cases,	32	24	56	7	14	21	13	8	21	23	17	40	2	1	3	26	26	52	103	90	193
Total of persons,	32	24	56	7	14	21	13	8	21	23	17	40	2	1	3	—	—	—	103	90	193

15. — Causes of Death.

CAUSES.	Males.	Females.	Totals.
Exhaustion of mania, acute,	1	—	1
Exhaustion of alcoholism, acute,	1	—	1
Addison's disease,	—	1	1
Apoplexy,	1	2	3
Cirrhosis of liver,	—	1	1
Empyema,	1	—	1
Epilepsy,	1	1	2
Gastro enteritis,	1	—	1
Heart disease, valvular,	2	1	3
Heart disease and senility,	3	—	3
Landry's paralysis,	—	1	1
Locomotor ataxia,	1	—	1
Nephritis,	1	—	1
Organic dementia,	1	8	9
Paresis,	4	2	6
Peritonitis,	1	—	1
Pneumonia,	2	1	3
Pulmonary tuberculosis,	2	4	6
Pulmonary abscess,	—	1	1
Senility,	2	3	5
Septicæmia,	1	—	1
Totals,	26	26	52

16. — Recoveries, classified by Duration of Disease and of Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month, . . .	20	5	25	1	—	1	1	—	1	1	—	1
From 1 to 3 months, . . .	2	9	11	11	3	14	6	1	7	10	3	13
3 to 6 months, . . .	1	4	5	13	8	21	10	3	13	14	7	21
6 to 12 months, . . .	4	4	8	5	9	14	5	12	17	4	10	14
1 to 2 years, . . .	—	1	1	2	2	4	5	4	9	1	2	3
2 to 5 years, . . .	2	—	2	—	1	1	2	2	4	1	—	1
5 to 10 years, . . .	—	—	—	—	1	1	—	1	1	1	2	3
10 to 20 years, . . .	—	—	—	—	—	—	—	—	—	—	—	—
Unknown, . . .	3	1	4	—	—	—	3	1	4	—	—	—
Totals, . . .	32	24	56	32	24	56	32	24	56	32	24	56
Average of known cases (in months),	4.56	4.0	4.3	5.4	11.	7.6	9.4	15.4	11.8	6.4	12.4	8.8

[illegible]

[illegible]

20. — Operations of the Hospital, from the Beginning, in Each Year.

	ADMITTED.			DISCHARGED AND DIED.												Whole Number of Cases in the Year.	Number of Patients at end of the Year.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.					NOT INSANE.			DIED.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			Males.	Females.	Totals.	Males.	Females.	Totals.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1858,—2 months,	99	129	228	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—</

1877-78,	.	40	36	76	7	19	26	-	-	-	17	27	44	16	13	29	-	-	-	1	23	551	429
1878-79,	.	63	43	106	13	13	26	-	-	-	15	13	28	11	3	14	1	1	1	2	9	585	442
1879-80,	.	59	53	117	16	12	28	6	7	12	11	12	23	9	10	19	2	-	2	12	29	559	446
1880-81,	.	57	66	123	7	13	20	6	7	13	15	15	30	6	10	18	1	-	1	16	26	569	463
1881-82,	.	62	62	124	13	15	28	4	9	13	7	14	21	14	13	27	-	1	1	14	38	587	459
1882-83,	.	73	69	142	11	17	28	9	-	9	18	15	33	21	14	35	1	1	2	13	30	606	469
1883-84,	.	61	75	136	9	16	25	6	11	17	16	19	35	16	20	36	3	1	4	12	25	605	463
1884-85,	.	66	70	136	17	12	29	4	5	9	12	17	29	10	16	26	1	2	3	16	11	599	476
1885-86,	.	85	98	183	10	19	29	8	2	10	23	36	59	20	23	43	1	-	1	14	26	659	491
1886-87,	.	72	76	148	16	8	24	5	3	8	36	31	67	21	16	37	1	2	3	13	31	639	469
1887-88,	.	87	79	168	23	13	36	3	6	9	25	22	47	12	17	29	2	-	2	14	17	635	481
1888-89,	.	98	57	155	27	15	42	6	6	12	25	40	65	35	8	43	2	1	3	18	7	636	446
1889-90,	.	91	79	170	18	14	32	5	9	14	17	17	34	12	5	17	1	2	3	12	9	616	495
1890-91,	.	82	59	141	29	16	45	7	7	14	27	26	53	18	22	40	-	-	3	19	12	636	453
1891-92,	.	102	75	177	16	21	37	9	10	19	13	8	21	15	8	23	3	-	3	29	9	630	489
1892-93,	.	91	78	169	20	11	31	11	15	26	19	18	37	21	22	43	4	-	4	20	17	658	480
1893-94,	.	89	83	172	20	12	32	7	7	14	11	17	28	14	22	36	1	-	1	26	11	652	504
1894-95,	.	110	91	201	16	22	38	15	7	22	15	14	29	19	19	38	-	-	-	18	14	705	546
1895-96,	.	114	95	209	23	13	36	8	6	14	19	20	39	19	41	60	-	1	1	28	18	755	559
1896-97,	.	96	86	182	16	14	30	12	9	21	17	18	35	48	38	86	-	2	2	27	18	741	522
1897-98,	.	111	102	213	23	17	40	10	9	19	8	10	18	21	22	43	2	1	3	32	17	755	563
1898-99,	.	115	105	220	32	24	56	7	14	21	13	8	21	23	17	40	2	1	3	26	52	783	590

21. — *Classified Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65,	225.10	48.16	69.83	343.25
1865-66,	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67,	261.96	49.46	89.75	401.17
1867-68,	262.65	47.92	103.06	413.63
1868-69,	248.52	54.98	101.46	404.96
1869-70,	236.19	65.04	107.23	408.46
1870-71,	234.10	77.07	118.38	429.55
1871-72,	226.96	89.57	112.27	428.80
1872-73,	248.02	99.23	90.00	437.25
1873-74,	284.48	102.88	82.06	469.42
1874-75,	274.35	128.34	72.46	475.15
1875-76,	259.19	146.02	68.94	474.15
1876-77,	254.84	161.58	60.02	476.44
1877-78,	211.90	175.71	54.75	442.36
1878-79,	200.34	182.29	54.23	436.86
1879-80,	197.03	198.01	54.46	450.50
1880-81,	180.82	214.15	57.19	452.15
1881-82,	166.84	238.25	56.52	461.61
1882-83,	161.62	247.63	57.58	466.83
1883-84,	155.10	251.23	56.06	462.39
1884-85,	154.44	261.58	59.82	475.84
1885-86,	140.23	270.52	63.61	474.36
1886-87,	122.78	289.38	66.00	478.16
1887-88,	112.17	294.01	64.01	470.19
1888-89,	104.67	303.01	61.31	468.99
1889-90,	96.86	311.17	62.07	470.10
<i>Daily Average.</i>				
1890-91,	90.71	297.78	68.51	457.00
1891-92,	85.64	309.42	74.03	469.09
1892-93,	75.83	338.72	65.71	480.26
1893-94,	83.50	339.83	70.68	494.11
1894-95,	80.87	376.02	69.67	526.56
1895-96,	81.57	403.15	75.77	560.49
1896-97,	64.32	398.65	81.54	544.51
1897-98,	63.34	391.66	91.16	546.16
1898-99,	72.15	403.24	87.93	563.32

22. — *Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1899.*

OFFICIAL YEAR.	Whole No. of Patients.	Daily Average No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Average No. of Patients.
			Men.	Women.	Totals.		
1858-59, . .	313	229.55	7	12	19	6.07	8.27
1859-60, . .	398	255.96	9	18	27	6.78	10.54
1860-61, . .	434	314.26	15	15	30	6.91	9.54
1861-62, . .	442	313.80	9	10	19	4.29	6.05
1862-63, . .	470	355.28	19	7	26	5.53	7.31
1863-64, . .	475	357.63	17	30	47	9.89	13.14
1864-65, . .	469	342.40	17	24	41	8.76	11.97
1865-66, . .	488	376.35	18	13	31	6.35	8.23
1866-67, . .	543	401.03	23	24	47	8.65	11.71
1867-68, . .	565	413.41	25	17	43	7.61	10.40
1868-69, . .	590	405.10	13	12	25	4.23	6.17
1869-70, . .	604	408.83	22	11	33	5.46	8.07
1870-71, . .	616	421.90	16	12	28	4.54	6.64
1871-72, . .	619	428.72	19	18	37	5.97	8.63
1872-73, . .	614	437.23	13	8	21	3.42	4.80
1873-74, . .	626	469.54	14	11	25	3.99	5.32
1874-75, . .	629	475.35	23	18	41	6.52	8.62
1875-76, . .	629	474.21	18	19	37	5.88	7.80
1876-77, . .	603	476.16	21	21	42	6.96	8.82
1877-78, . .	551	442.43	14	9	23	4.17	5.19
1878-79, . .	535	436.73	14	9	23	4.29	5.27
1879-80, . .	559	450.51	17	12	29	5.19	6.44
1880-81, . .	569	451.79	16	10	26	4.57	5.75
1881-82, . .	587	461.66	24	14	38	6.47	8.23
1882-83, . .	606	466.76	17	13	30	4.95	6.42
1883-84, . .	605	463.05	12	13	25	4.13	5.39
1884-85, . .	599	475.94	16	11	27	4.51	5.67
1885-86, . .	659	474.40	14	12	26	3.94	5.48
1886-87, . .	639	478.55	13	18	31	4.85	6.47
1887-88, . .	635	470.25	14	17	31	4.88	6.59
1888-89, . .	636	469.10	18	7	25	3.93	5.32
1889-90, . .	616	470.50	12	9	21	3.40	4.46
1890-91, . .	636	457.00	19	12	31	4.87	6.78
1891-92, . .	630	469.09	29	9	38	6.03	8.10
1892-93, . .	658	480.26	20	17	37	5.62	7.70
1893-94, . .	652	494.11	26	11	37	5.67	7.48
1894-95, . .	705	526.56	18	14	32	4.53	6.07
1895-96, . .	755	560.49	28	18	46	6.09	8.21
1896-97, . .	741	544.51	27	18	45	6.07	8.26
1897-98, . .	735	546.16	32	17	49	6.66	8.97
1898-99, . .	783	563.32	26	26	52	6.64	9.23

23. — List of Articles made in the Sewing-room.

Aprons,	803	Ox blankets,	4
Bolster covers,	17	Pillow cases,	1,250
Bureau covers,	227	Pillow ticks,	83
Caps,	580	Roller towels,	427
Carpet strips,	38	Shirts,	893
Carpeting, yards,	181	Skirts,	209
Chemises,	347	Sheets,	1,033
Clothes bags,	32	Sheets, double,	41
Curtains,	62	Spreads,	20
Drawers,	221	Shirt waists,	4
Dresses,	331	Suspenders, pairs,	25
Feather ticks,	4	Table cloths,	86
Hats trimmed,	36	Towels,	1,111
Mattress ticks,	143	Underwaists,	8
Napkins,	302	Articles repaired,	19,279
Night gowns,	103		

24. — Upholstery done in the Year.

Hair mattresses made, new material,	79
Hair mattresses made, new ticks,	126
Hair mattresses made, old material,	64
Hair pillows made, new material,	51
Hair pillows, new ticks,	34
Hair pillows made, old material,	73

25. — Trustees of the Northampton Lunatic Hospital.

NAMES.	Residence.	When app'ted.	Service ended.	From What Cause.
Charles E. Forbes,* . .	Northampton, . .	1856	1857	Term expired.
Lucien C. Boynton,* . .	Uxbridge,	1856	1858	Term expired.
Eliphalet Trask,* . . .	Springfield, . . .	1856	1875	Term expired.
John C. Russell,* . . .	Great Barrington, .	1856	1859	Resigned.
Horace Lyman,	Greenfield,	1856	1857	Removed.
Charles Smith,*	Northampton, . . .	1857	1860	Resigned.
Luther V. Bell,*	Somerville,	1857	1859	Resigned.
Zebina L. Raymond,* . .	Greenfield,	1858	1859	Resigned.
Franklin Ripley,* . . .	Greenfield,	1859	1860	Died in office.
Edward Dickinson,* . .	Amherst,	1859	1864	Resigned.
Walter Laffin,*	Pittsfield,	1859	1866	Term expired.
Silas M. Smith,*	Northampton, . . .	1860	1863	Term expired.
Charles Allen,	Greenfield,	1860	1861	Resigned.
Alfred R. Field,*	Greenfield,	1861	1864	Resigned.
Edward Hitchcock, . . .	Amherst,	1863	1879	Resigned.
Silas M. Smith,*	Northampton, . . .	1864	1887	Died in office.
Edmund H. Sawyer,* . .	Easthampton, . . .	1864	1879	Died in office.
Henry L. Sabin,*	Williamstown, . . .	1866	1876	Term expired.
Adams C. Deane, M.D., .	Greenfield,	1875	1898	Resigned.
Henry W. Taft,	Pittsfield,	1876	1893	Term expired.
William M. Gaylord, . . .	Northampton, . . .	1879	1883	Term expired.
Lyman D. James,	Williamsburg, . . .	1879	-	Still in office.
Christopher Merritt, . . .	Springfield,	1883	1888	Term expired.
Sarah A. Woodworth, . .	Chicopee,	1884	-	Still in office.
Sarah M. Butler,	Northampton, . . .	1884	-	Still in office.
John L. Otis,*	Florence,	1887	1890	Resigned.
N. A. Leonard,*	Springfield,	1888	1890	Died in office.
Alvan Barrus,	Goshen,	1890	-	Still in office.
Elisha Morgan,	Springfield,	1890	-	Still in office.
William D. MacInnes, . .	Pittsfield,	1893	-	Still in office.
F. W. Chapin, M.D., . . .	Springfield,	1898	-	Still in office.

* Deceased.

26. — *Officers and Employees.*

[Time employed Oct. 1, 1899.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	10	—	7
E. Stanley Abbot, M.D., assistant physician,	—	8	22
Emma W. Mooers, M.D., assistant physician,	1	7	—
Payn B. Parsons, M.D., assistant physician,	2	1	26
Justus G. Hanson, M.D., assistant physician,	1	1	23
Lewis F. Babbitt, clerk and treasurer,	7	11	19
Ida A. Porter, matron,	1	2	—
John Mercier, farmer,	32	2	—
Walter I. Dodge, engineer,	4	5	—
Robert H. Gallivan, supervisor,	26	5	13
Lucy A. Gilbert, supervisor,	32	7	20
Josephine A. Simpson, assistant clerk,	1	—	25
George N. Drury, steward,	2	—	—
Herbert W. Root, assistant steward,	—	4	23
William J. Moore, assistant steward,	2	11	4
George B. Walker, baker,	15	3	18
Herbert E. Walker, assistant baker,	1	6	18
Bradamante Fairbanks, seamstress,	7	6	16
Mary Cass, assistant seamstress,	1	11	7
Chas. E. Williams, laundryman,	2	1	—
Martha H. Williams, laundress,	1	10	7
Kate Holcombe, laundress,	—	9	5
Jennie S. Jones, laundress,	—	3	13
Samuel L. Williams, nurse,	7	3	4
Jay E. Cook, nurse,	2	4	—
George B. Gardner, nurse,	1	7	20
Robert Pike, nurse,	1	4	—
Bernard Kilkenny, nurse,	1	1	13
Nathan W. Williams, nurse,	1	1	7
Fred J. Aldrick, nurse,	—	10	14
Chas. F. Davis, nurse,	—	6	24
William M. Wyman, nurse,	—	5	25
Harry Bridges, nurse,	—	5	8
Lucius G. Wright, nurse,	—	4	28
Clarence E. Dixon, nurse,	—	4	15
Timothy E. Callahan, nurse,	—	1	—
H. M. Wells, nurse,	—	—	23
Henry W. Dyer, nurse,	—	—	2
Ernest L. Mitchell, nurse,	—	—	2
Walter S. Taft, nurse,	—	—	1
Clinton L. Brewster, nurse,	—	—	1
William Dunn, night nurse,	1	4	17
William Tracy, night nurse,	1	1	11
Bernard Shover, night nurse,	—	—	5
George H. Richards, watchman,	1	5	18
Alice Collins, nurse,	3	2	20
Anna Checkley, nurse,	1	11	18
Mary A. Clark, nurse,	1	6	18
Etta E. Cook, nurse,	1	2	24
Jessie Thornton, nurse,	—	7	11
Elsie Hoar, nurse,	—	6	14
Minnie A. Wright, nurse,	—	4	28
Antoinette Keefe, nurse,	—	4	25

26. — *Officers and Employees* — Concluded.

NAMES.	Years	Months.	Days.
Margaret Kennedy, nurse,	—	4	11
Mary E. Gardner, nurse,	—	3	17
Theresa Bernhardt, nurse,	—	3	3
Gladys M. Ryder, nurse,	—	2	28
Hattie L. Darling, nurse,	—	2	4
Maud E. Varney, nurse,	—	2	4
Alice Allen, nurse,	—	—	17
Mary E. McLeod, nurse,	—	—	13
Edith M. Pray, nurse,	—	—	8
Glenn Marceau, nurse,	—	—	7
Hannah Wright, nurse,	—	—	1
Edith Lytle, nurse,	—	—	1
Bridget Frawley, night nurse,	5	—	21
Lilla Hamm, night nurse,	—	11	4
Joan Paterson, night nurse,	—	7	10
Mattie G. Jones, rotunda,	7	10	16
Susie Warren, centre housework,	5	6	9
Grace A. Ditty, centre housework,	—	11	2
Mary Towne, rear housework,	—	6	—
Mary McCollam, farmers' dining-room,	—	2	13
Emma E. Peake, cook,	—	2	27
Julia Kennedy, kitchen girl,	1	5	7
Bridget Mansfield, kitchen girl,	—	4	15
Nellie Purcell, kitchen girl,	—	2	12
Nora Breen, kitchen girl,	—	1	8
Julia Mangan, kitchen girl,	—	—	5
Wilson E. McCray, assistant engineer,	1	7	29
George W. Thorniley, florist,	6	5	12
William Day, fireman,	2	—	—
Charles Nichols, fireman,	1	—	11
Nicholas Reil, gardener,	23	2	6
Henry Mould, gardener,	1	4	11
Sifroi Bellville, carpenter,	29	4	—
Walter M. Tower, carpenter,	21	8	1
Alfred Parenteau, painter,	33	1	18
Leon Parenteau, painter,	1	—	—
Geo. W. Braman, mechanic,	10	10	8
Thomas Clair, plumber,	1	5	2
Richard Ryan, assistant plumber,	—	8	5
Davis Mercier, coachman,	22	7	14
Benjamin Rockwell, assistant farmer,	32	4	—
Henry M. Wilson, assistant farmer,	20	5	8
James Madden, assistant farmer,	23	—	29
Patrick Eagan, assistant farmer,	7	1	8
Xavier Dion, assistant farmer,	6	3	17
Charles Ulrich, assistant farmer,	3	5	8
Melvin G. Fuller, assistant farmer,	1	5	26
B. McNamara, assistant farmer,	1	5	4
S. J. Waid, assistant farmer,	—	7	—
Carl J. Kellam, assistant farmer,	—	5	15
George Baldus, assistant farmer,	—	4	26
J. Edward Brown, assistant farmer,	—	4	16
James Braman, assistant farmer,	—	3	15

27. — *List of Persons regularly employed at the Northampton Insane Hospital, Sept. 30, 1899.*

Superintendent and physician,	per year, \$2,500 00
Assistant physician,	" 1,200 00
Assistant physician, second,	" 800 00
Female physician,	" 800 00
Assistant physician,	" 600 00
Treasurer and clerk,	" 1,500 00
Matron,	" 450 00
Farmer,	" 780 00
Engineer, house rent and partial board,	" 1,000 00
Secretary to the superintendent,	per month, 30 00
Supervisor (male),	" 50 00
Supervisor (female),	" 30 00
Seamstress,	" 25 00
Assistant seamstress,	" 18 00
Laundryman, with board,	" 35 00
Laundress,	" 16 00
Laundresses, with partial board (2),	" 22 00
Baker,	" 45 00
Assistant baker,	" 28 00
Steward, with partial board,	" 60 00
Assistant steward, with partial board,	" 42 00
Assistant steward,	" 35 00
Nurses (male, 11),	" 30 00
Nurses (male, 2),	" 25 00
Nurses (male, 4),	" 23 00
Nurses (male, 7),	" 21 00
Nurses (female, 6),	" 20 00
Nurses (female, 4),	" 16 00
Nurses (female, 3),	" 15 00
Nurses (female, 10),	" 14 00
Office girl,	" 18 00
Housework, centre (female),	" 17 00
Housework, centre (female, 2),	" 16 00
Cook (female),	" 25 00
Kitchen girl (1),	" 16 00
Kitchen girl (1),	" 15 00

27. — *List of Persons regularly employed at the Northampton Insane Hospital, Sept. 30, 1899 — Concluded.*

Kitchen girls (2),	per month,	\$14 00
Farmers' dining-room (female),	"	14 00
Housework (rear),	"	16 00
Watchman,	"	30 00
Carpenter,	per day,	2 25
Carpenter,	"	2 00
Painter,	per month,	50 00
Painter,	per day,	1 75
Gardeners (2),	per month,	30 00
Assistant engineer,	"	30 00
Firemen (2),	"	30 00
Coachman,	"	30 00
Florist, without board,	"	50 00
Farm hands (3),	"	30 00
Farm hands (3),	"	28 00
Farm hands (5),	"	25 00
Farm hand (1),	"	23 00
Farm hand (1),	"	18 00

FARM PRODUCTS IN 1899.

Apples, 225 barrels, . . .	\$450 00	Lettuce, 85 bushels, . . .	\$85 00
Asparagus, 47 bushels, . .	141 00	Lumber, 5,334 feet, . . .	85 34
Beans, 237 bushels, . . .	118 25	Milk, 158,476 quarts, . .	7,923 80
Beans (lima), 14 bushels, .	14 00	Onions, 385 bushels, . .	192 50
Beets, 457 bushels, . . .	228 50	Pears, 18 bushels, . . .	18 00
Beef, 12,471 pounds, . . .	902 01	Pease, 101 bushels, . . .	101 00
Broom brush, 1,300 pounds, .	52 00	Peppers, 10 bushels, . .	10 00
Broom seed, 75 bushels, . .	30 00	Pie plant, 54 bushels, . .	40 50
Cabbage, 3,600 heads, . . .	144 00	Potatoes, 3,170 bushels, .	1,056 00
Cantelopes, 2,907, . . .	29 07	Pork, 29,421 pounds, . .	1,475 75
Carrots, 260 bushels, . . .	104 00	Parsnips, 100 bushels, . .	60 00
Calves sold, 31, . . .	140 50	Pigs sold, 319, . . .	866 05
Cider, 841 gallons, . . .	84 10	Posts, 80, . . .	12 00
Citron, 300 pounds, . . .	3 00	Quince, 6 bushels, . . .	6 00
Corn (sweet), 474 bushels, .	237 00	Rue, 123 bushels, . . .	61 50
Corn (shell), 987 bushels, .	493 50	Radishes, 35 bunches, . .	3 50
Corn (fodder), 30 tons, . .	150 00	Spinach, 39 bushels, . .	28 25
Cucumbers, 75 bushels, . .	37 50	Straw, . . .	70 00
Currants, 10½ bushels, . .	26 25	Strawberries, 775 baskets,	93 00
Eggs, 506 dozen, . . .	166 21	Swiss chard, 49 bushels, .	24 50
Egg plant, 150, . . .	7 50	Squash (summer), 96	
Ensilage, 125 tons, . . .	437 50	bushels, . . .	48 00
Fowl, 877 pounds, . . .	177 40	Squash (winter), 23,500	
Grapes, 3 bushels, . . .	3 00	pounds, . . .	235 00
Hay (first growth), 212		Tomatoes, 151 bushels, . .	75 50
tons, . . .	2,756 00	Turnips, 725 bushels, . .	245 00
Hay (second growth), 64		Watermelons, 16,625 pounds,	166 25
tons, . . .	832 00	Wood, 33 cords, . . .	66 00
Hay (second quality) 4		Wood sold, . . .	17 01
tons, . . .	24 00	Veal, 150 pounds, . . .	11 00
Ice, 500 tons, . . .	500 00		

Live stock belonging to the hospital:—

Cows,	63	Horses,	14
Bulls,	5	Swine,	193
Heifers,	30	Fowl,	200
Yokes of oxen,	4		

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PUBLIC DOCUMENT No. 21.

FORTY-FIFTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON INSANE HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1900.



BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1901.



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Mass: Northampton state hospital

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STATE HOUSE BOSTON
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GOVERNOR

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OFFICERS

OF THE

NORTHAMPTON INSANE HOSPITAL.

TRUSTEES.

LYMAN D. JAMES,	WILLIAMSBURG.
ELISHA MORGAN,	. . . . .	SPRINGFIELD.
ALVAN BARRUS,	. . . . .	GOSHEN.
SARAH A. WOODWORTH,	. . . . .	CHICOPEE.
SARAH M. BUTLER,	. . . . .	NORTHAMPTON.
F. W. CHAPIN, M.D.,	. . . . .	SPRINGFIELD.
WILLIAM D. MACINNES,	. . . . .	PITTSFIELD.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	. . . . .	<i>Superintendent.</i>
JUSTUS G. HANSON, M.D.,	. . . . .	<i>1st Assistant Physician.</i>
HARRIET M. WILEY, M.D.,	. . . . .	<i>Assistant Physician.</i>
CHARLES H. DEAN, M.D.,	. . . . .	<i>Assistant Physician.</i>
LEWIS F. BABBITT,	. . . . .	<i>Clerk.</i>
IDA A. PORTER,	. . . . .	<i>Matron.</i>
JOHN MERCIER,	<i>Farmer.</i>
WALTER I. DODGE,	<i>Engineer.</i>

TREASURER.

LEWIS F. BABBITT,	NORTHAMPTON.
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Office at the Hospital.

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton Insane Hospital respectfully submit their report of the management of its affairs for the year ending Sept. 30, 1900, it being the forty-fifth annual report, and with it are presented the reports of the superintendent and treasurer.

IMPROVEMENTS.

The improvements in the administration building provided for by the appropriation of 1898 were completed early in the official year.

In 1899 the Legislature appropriated \$12,000 to provide for cold storage. It was found that the location of the present horse barn was the most desirable one on the grounds for cold-storage purposes, and that the building could be easily and economically remodelled for such use. As a stable, because of its proximity to the kitchen, the dining rooms of the women's department and the dormitory for women employees, it is a source of annoyance in summer from flies and odors inseparable from such a building. For these reasons the Legislature of 1900 authorized the use of this appropriation to reconstruct the old stable into a cold storage and to build a new stable at a more desirable distance.

Work on the new stable is progressing favorably, patients assisting materially in its construction. With the exception of a few masons, it has not been necessary to employ any help excepting our regular force. Under the direction of our car-

penter the patients have done much of the framing of the building. They have also made the mortar and have kept the masons supplied with bricks and mortar on the staging. By so doing the work has been somewhat slow, but is well done, and much more can be accomplished with the amount appropriated. In like manner the old stable will be remodelled. The superintendent reports that the patients are eager to do this work, getting much enjoyment as well as benefit from it. Several of the patients who were thus employed have been discharged recovered and many of them improved. Their interest in the work, the mental diversion and the benefit that comes from occupation contributed largely to these favorable results.

Beneath the stable is a large basement, affording much-needed storage accommodations for farming tools and vehicles.

During the year a terazzo floor has been laid in the bakery and a cement floor throughout the basement of the main building.

The new offices and rooms in the administration building have been painted and decorated, patients assisting in the plain work. Patients have also repainted two of the wards and many of the rooms for inmates.

A siding about three hundred feet long has been laid from the New York, New Haven & Hartford Railroad to our lot on Earle Street. This proves to be very convenient and a saving of time in unloading coal, flour, etc., and, because we can now care for coal in larger shipments than formerly, it enables us to make more favorable contracts than could otherwise be obtained.

A contract has been made with the Westinghouse Electrical Company for a $37\frac{1}{2}$ K. W. generator, operated by an Ames engine, to provide for an extension of our present service.

Arrangements are nearly completed for installing a telephone system throughout the hospital, to replace the present inadequate system of call bells.

NEEDS.

Our numbers grow larger each year, adding to the difficulties of caring for patients in accommodations already overtaxed. This is unjust to the patients. We have several times in the past ten years called attention to the need of better accommodations for treating the sick and the convalescent classes. This necessity has been strongly emphasized by our experience of

the past year. Reference is made to the superintendent's report on this subject.

The need of larger and better accommodations for the cows becomes more pressing each year. There being more patients to support, and especially more of a feeble class who require a diet of which milk is the greater part, the amount of milk which the farm can furnish under the present conditions was found insufficient for our needs, consequently more had to be purchased elsewhere. The products of our farm are ample for feeding enough cows to furnish all the milk required. In the report of last year we said, "To store the products of the farm and farm tools and vehicles and to care for the cattle is a question of increasing importance. The hospital, with a greater number of patients and with a more liberal dietary, requires more milk. Enough hay and grain can be raised on the farm to keep more milch cows than we now have, but the limit of accommodation has been reached. The present quarters for the cows are quite unsuitable for the purpose, being in a basement of a barn built nearly forty years ago, when light and ventilation were not considered essential for cows. Experience has shown that cows are quite susceptible to disease, and require the best possible facilities for light and air. The trustees think it their duty to again call attention to the need of a new barn and cow stable. Reference is made to our report for the year 1898 on the subject."

During the coming year the sewage system should be extended to enter the public system. Permission has been obtained to cross the land between our boundary line and the city sewer, and also permission from the city to enter its sewer.

If the number of senile cases to be cared for in the hospital continues to increase as rapidly as in the past few years, we shall soon have to consider the advisability if not the necessity of providing suitable accommodations for that class. Reference is made to the superintendent's report, which discusses that question more fully.

THE FARM.

The farm has been well managed during the year. Notwithstanding the prolonged drought, there has been a good yield of crops except of hay and potatoes, which are below the average.

Twelve acres of land adjoining our farm on the west, being for sale at auction, were purchased. Four acres of land never before under cultivation were cleared of brush, drained and tilled, and about four hundred and twenty feet of heavy stone drain and two hundred and fifteen feet of tile drain were laid.

CHANGES IN THE MEDICAL STAFF.

There have been several changes in the medical staff during the year. In November Dr. Mooers left to go abroad. Her place was filled by the appointment of Dr. Harriet M. Wiley, who came in February. Dr. Wiley had served one year as assistant physician in the Reformatory Prison for Women at Sherborn, and a term at the New England Hospital for Women.

Dr. Abbott resigned in December, to become assistant superintendent of the Boston City Hospital. Dr. Parsons left in June, to enter private practice. Dr. Hanson was promoted, and Dr. C. H. Dean, who had had a year's experience in the Boston City Hospital, was appointed in May.

LYMAN D. JAMES.

ELISHA MORGAN.

ALVAN BARRUS.

SARAH A. WOODWORTH.

SARAH M. BUTLER.

F. W. CHAPIN.

WILLIAM D. MACINNES.

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1900.

Live stock on farm,	\$8,594 00
Products of farm on hand,	10,558 69
Carriages and agricultural tools,	3,300 00
Machinery and mechanical fixtures,	15,000 00
Beds and bedding in inmates' department,	12,500 00
Other furniture in inmates' department,	8,250 00
Personal property of State in superintendent's department,*	9,500 00
Ready-made clothing,	663 91
Dry goods,	412 20
Bedding,	339 94
Small wares,	970 31
Miscellaneous,	877 14
Provisions and groceries,	1,839 80
Drugs and medicines,	900 00
Fuel,	4,398 75
Library,	1,200 00
Paints and oils,	450 00
	<hr/>
	\$79,754 74

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing-room and other departments.

TREASURER'S REPORT.

To the Trustees of the Northampton Insane Hospital.

I respectfully submit the following report of the finances of this institution for the year ending Sept. 30, 1900 : —

ASSETS.

Five hundred and five acres of land, . . .	\$53,400 00
Hospital building,	480,000 00
Farm-house, \$1,700; brick house, \$1,700, . .	3,400 00
Three dwellings,	2,000 00
Storehouse and shops,	20,000 00
Two barns,	4,000 00
Horse stable,	1,900 00
Lumber-house,	850 00
Pump-house,	500 00
Cart shed,	400 00
Piggery,	3,000 00
Fire-proof for oils and paints,	500 00
Two ice-houses,	300 00
	\$570,250 00

PERSONAL ESTATE.

Stocks and supplies, as per inventory,	\$79,754 74
--------------------------------------------------	-------------

RECEIPTS.

Cash on hand Sept. 30, 1899,	\$3,176 36
Receipts from State Treasurer,	14,371 00
from towns,	68,836 62
from individuals,	20,595 91
from sales,	2,592 87
from interest,	153 47
from loan,	6,000 00
Cash belonging to patients,	658 39
	\$116,384 62

PAYMENTS.

Salaries and wages,		\$37,214 20
Provisions and supplies:—		
Meats of all kinds,	\$6,108 16	
Fish of all kinds,	1,521 46	
Fruit and vegetables,	1,734 15	
Flour (610 barrels),	2,370 00	
Grain and meal for table,	326 00	
Tea, coffee and chocolate,	1,844 09	
Sugar and molasses,	2,838 31	
Grain and meal for stock,	3,305 72	
Butter and cheese,	5,415 56	
Other groceries,	3,998 88	
All other provisions,	2,674 66	
		<hr/> 31,636 99
Clothing,		3,065 13
Fuel and lights,		8,628 01
Medicine and medical supplies,		1,778 49
Furniture, beds and bedding,		4,414 68
Transportation and travelling expenses,		985 95
Ordinary construction and repairs,		2,909 11
Farm stock,	\$1,569 35	
Farm supplies,	2,630 65	
Water,	2,026 14	
Minor expenses,	3,847 01	
Contingencies,	769 69	
		<hr/> 10,842 84
Total current expenses,		<hr/> \$101,475 40
Extraordinary expenses,	\$12,887 88	
Paid loan,	1,000 00	
Cash refunded patients,	998 05	
		<hr/> 14,885 93
		<hr/> \$116,361 33
Cash on hand Sept. 30, 1900,		23 29
		<hr/> \$116,384 62

RESOURCES.

Cash on hand,	\$23 29
Due from Commonwealth,	4,563 25
from cities and towns,	18,213 70
from individuals,	6,275 95
	<hr/> \$29,076 19

LIABILITIES.

Salaries and wages due Oct. 1, 1900, . . .	\$3,067 30	
Miscellaneous bills due,	14,374 64	
Patients' money,	1,364 17	
	<hr/>	\$18,806 11

SUMMARY.

Total receipts,		\$116,384 62
Total payments,		116,361 33
		<hr/>
Cash on hand Sept. 30, 1900,		\$23 29
Total liabilities,		\$18,806 11
Total debts due institution,		29,076 19
Total expenditures,		116,361 33
Deducting from total expenditures,		\$116,361 33
The extraordinary expenses,	\$12,887 88	
Paid on loan account,	1,000 00	
Cash refunded patients,	998 05	
	<hr/>	14,885 93
		<hr/>
We have the current expenses,		\$101,475 40
Dividing the current expenses,		\$101,475 40
By the average number of inmates gives the average annual		
cost of,		176 07
Equivalent to an average weekly cost of,		3 37

LEWIS F. BABBITT,

Treasurer.

We have examined, as auditors, the accounts of the treasurer, and found a satisfactory voucher for every entry.

WILLIAM D. MACINNES,
ALVAN BARRUS,

Auditors.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Insane Hospital.

The report of the operations of the hospital for the year ending Sept. 30, 1900, is hereby respectfully submitted.

A summary of the statistical tables which accompany this report is presented here, showing the more important facts for your consideration.

MOVEMENT OF POPULATION.

The year opened with 590 patients in the hospital, and closed with the same number. During the year 243 cases were admitted and an equal number were discharged. The smallest number on any one day was 564, the largest number 590. The whole number of patients supported during the year was 833. The daily average number was 576, which is 13 larger than in 1899. The daily average supported by friends was 80; by cities and towns, 410; by the State, 86.

ADMISSIONS.

Forty-one per cent. of the cases admitted were born in Massachusetts, 37 per cent. were of foreign birth and 57 per cent. were of foreign parentage.

The number admitted is larger than in any previous year, but 60 of them had been here before or in some other hospital. The number of new cases, that is, those who have never before been in any hospital for the insane, is larger by 12 than in 1899. The increase of new cases has averaged between 3 and 4 for each year during the last twenty years. Assuming that the population of western Massachusetts has maintained the same rate of increase during the past five years as in the previous fifteen, the increase of new cases is slightly larger relatively than that of the population. Examination of the statistics of the other hospitals in the State shows a similar condition, That this indicates an increase of insanity faster than of population can hardly be demonstrated by the experience of this

hospital, because the number of senile cases admitted is increasing much faster than the number of new commitments. This increase I attribute to a growing tendency to place these troublesome old people in the hospitals, and not to an increase of insanity of old age.

Of 243 admissions this year, 30 were of people over seventy years of age, — more than 12 per cent. The increase in numbers of this class admitted in the last twenty years has been as follows: from 1878 to 1883, 3.6 per cent.; from 1883 to 1888, 4.5 per cent.; from 1888 to 1893, 8.2 per cent.; from 1893 to 1898, 9.7 per cent.; in 1899, 10 per cent.; in 1900, 12 per cent. This is a steady increase from an average of 3 persons each year to 22 persons last year and 30 this year. Besides those enumerated there are many from sixty-five to seventy years old who should properly be grouped with them in any consideration of special provision for this class.

Many of these old people are too feeble to dress and feed themselves, they are forgetful, querulous and irritable, and require considerable oversight, but are well enough to be cared for at home or elsewhere than here if the conditions were suitable. Some knowledge of the conditions at home and a consideration of the cases themselves lead us to the conclusion that, of the 30 old people admitted this year, 9 had no immediate relatives or friends to care for them; 4 had relatives too poor to furnish the necessary care; of the others, some had relatives who would have been obliged to give up their daily work in order to assume care of them, and several had relatives who ought to have provided care for them at home.

There are at present in the hospital 49 persons from sixty-five to seventy years of age, 48 from seventy to eighty, and 14 over eighty. Many of these are completely helpless, requiring as much attention as young children. They should not be obliged to be on the same wards with the other classes of insane; their needs are different, and special provision should be made for their care, preferably in a building separate from the main hospital.

There are now in the State outside the hospitals many old people dependent because of mental failure, whom the State may soon have to care for. They are legally insane, but are not commonly so considered. What to do with them is a question that demands very careful consideration.

This year a much larger proportion of the admissions than usual was of cases in which an unfavorable prognosis for improvement was made at the time of admission. There were 171 of these cases, 70 per cent. of the admissions, who were suffering from mental defect existing from birth, from long-continued insanity, from organic brain diseases and from the retrograde changes due to old age. So large a number of unfavorable cases necessarily means a low recovery rate, a larger residue to increase the average number supported by the hospital and a gradually increasing death rate. It also means a greater tax on the nursing staff.

DISCHARGES.

Fifty-eight cases were discharged during the year as recovered; 36 as much improved; 18 as improved; 44 as not improved; 1 as not insane. The case classed as not insane had before admission a temporary delirium from the use of cocaine and possibly of opium, but exhibited no signs of insanity while here, and was discharged after a short period of observation.

One hundred and four of the above cases were allowed to go home on trial visit, of whom only 11 had to return.

Our recovery list is a conservative one, and as large as can be expected from the character of the admissions.

Eighty-six patients died during the year. The old and feeble cases above spoken of have contributed largely to this result. Fifty per cent. of those who died were people more than sixty-five years of age; 38 cases were over seventy years of age, 16 of these being over eighty. Twelve had been inmates of the hospital for periods ranging from fifteen to thirty-seven years. Sixty-four had been insane more than two years.

MEDICAL SERVICE.

At the beginning of the hospital year about 25 of our patients and nearly as many employees were seriously ill with typhoid fever. The epidemic began in September and continued till November, convalescence of some of the cases being prolonged into December. Since then there have been several mild cases, undoubtedly caused by infection from others. Some of the cases were of the so-called walking type; being mild, having a low fever, and making no complaint of sickness, it was not learned that they were ill till they may have been a source of infection to others. Many of the cases were persons of untidy

habits, and they possibly became a source of infection after their recovery from the fever. Dr. Hanson demonstrated the possibility of this by making cultures of typhoid bacilli from the urine of such cases. Other observers have found bacilli in the urine of typhoid cases many months even after the recovery from the fever.

There were in all 77 cases of the fever, — 53 patients and 24 employees.

Two of the nurses of the hospital staff and 7 of the patients died, and another patient died in epileptic status while suffering from the fever.

The blood of 102 persons suspected of having the fever was examined by Dr. Hanson and Dr. Dean for the Widal reaction. It was found positive in 71 cases and negative in 31 cases. Six of the latter were undoubtedly typhoid cases. Facts peculiar to these 6 are that each was over sixty years of age, and each had a very light attack of the disease. The earliest day on which the reaction was present was the second day of the disease, and the latest date at which it first appeared was the tenth day of the fever, it appearing on the seventh day in the average.

The source of the epidemic has never been definitely determined. The State Board of Health adopted as their opinion our suspicion that the celery was responsible. The suspicion was entertained because all other uncooked articles of diet, the milk and the water supply, could with reasonable certainty be excluded, and there was a possibility of the celery bed having become infected by the use of fertilizer from the sewage beds.

The presence of this epidemic imposed much extra work and care on employees who escaped the fever, both because of the extra work to be done and also because of the difficulty of getting help to come here while the epidemic was in progress. They deserve the highest commendation for their faithfulness.

There has been an unprecedented number of cases of malarial fever in the spring and summer months of the present year. In the last ten years prior to this there have been but two or three cases. This year, microscopical examination showed the presence of the malarial organism in 38 cases, the tertian form predominating. As a rule they have responded quickly to quinine given by Dock's method, but our experience has been

that it is necessary to continue the drug in small doses daily for several months to insure the prevention of relapse.

In three of the cases there was a double infection of typhoid and malaria, clearly shown by the course of the disease, and by the presence of both the typhoid bacilli and malarial plasmodium. Dr. Hanson has reported one of these cases in the New York "Medical Record."

Our experience of the last year has shown clearly that a separate building for the care of the sick is more urgently needed than ever. The accommodations should be the most cheerful possible, and the conveniences for their care the best to be obtained. They should not be subjected to disturbances from other patients. Furthermore, other patients should not live on the ward with them; especially is this true if any contagious disease is present. Not only would such a building contribute to the comfort of the sick and the ease of caring for them, but the removal of them from the present wards, which are now crowded, would make room for patients who now have to occupy temporary beds made up in the corridors.

The pathological work of the year has been such as is of clinical value, and has been done by the regular staff. There were in all about five hundred examinations of the blood in the typhoid and malarial cases. In addition to these, systematic chemical and microscopical examinations of either the blood or urine were made in nearly every case admitted, also the usual routine examinations during the year. In the winter and spring there were so many cases of diphtheria in this vicinity that it was thought advisable to isolate for a day or two patients admitted from localities where diphtheria was prevalent, till a culture from the throat could be made. Several suspicious cases of sore throat were thus examined, which fortunately proved to be of a simple nature.

Eight autopsies, all of the cases in which permission of friends could be obtained, have been made. While not numerous, they have been of exceeding interest and value to the staff.

Such practical pathological work as the above, with the more careful observation of our patients and better recording of the results of our observations, seem to comprise what the average hospital can reasonably hope to do at present.

The advanced study of psychological questions, as under-

taken at the Worcester Hospital, requires a larger force of observers and a larger income than the State hospitals now have. This line of investigation, which is complementary to the regular clinical work, is an important one, and should be carried on thoroughly at some one place in the State rather than half-heartedly at several places. It is to be hoped that sufficient encouragement will be given to the Worcester Hospital to enable it to continue along the lines already established.

MEDICAL TREATMENT.

The medical treatment of patients has been along the well-tried lines of rest, nourishment, and diversion by occupation and amusement. The chief aim is, after removing causes and separating patients from unfavorable environments, to improve the general nutrition as much as possible. The medicines used have been tonics almost wholly. We have learned to avoid hypnotics entirely, and consequently have none of their secondary evil effects to combat. To one patient suffering from chorea a few doses of chloral were given, and a few epileptics have had bromides; with these exceptions, nothing of the kind whatever has been used to quiet a patient or to induce sleep.

The use of wet packs has been continued with excellent results. Many of the recent cases have had them daily, for periods varying from one to several weeks. Fifty-eight cases have been treated, with favorable results in all except two, who could not bear them well. The cases most benefited were those suffering from acute maniacal excitement, notably two or three having the excitement following epileptic attacks. The effect is quieting, so that very often the patient goes to sleep while in the pack. A number of depressed and several chronic cases have received the treatment, which was followed by marked improvement of the physical condition.

TRAINING SCHOOL.

The work of the training school was interrupted early in the year, because of the epidemic. Many of the nurses were sick with the fever, and the others had extra work to care for the sick ones. Till late in the year, also, there was difficulty in obtaining nurses enough to carry on the routine work of the wards. However, regular instruction was given in the later months, and the regular course will be resumed in October.

The duties of a nurse are very exacting and arduous, and the hours of service are long. In justice to the nurse as well as to the patients, the time on duty should be made as short as possible, and nurses should have accommodations for eating and sleeping separate from those provided for the patients. How this may best be done has been answered in some hospitals by establishing a nurse's home in a building separate from the wards. There being no immediate prospect of securing such accommodations here, we arranged for as many nurses as possible to sleep in the new rooms in the centre building, where the old chapel formerly was. This is a step toward something better, and gives a night's sleep undisturbed by the noises and cares of the wards. The rooms vacated by these nurses afford accommodations for patients who previously had slept in temporary beds made up in the corridors. The female nurses also enjoy the privilege of taking their meals together on one of the quiet wards, in two divisions, one division being on duty while the other is at meals.

RELIGIOUS SERVICES, ENTERTAINMENTS, ETC.

Religious services were held every Lord's Day, the different clergymen in Northampton and vicinity kindly officiating.

There have been regular readings each week by some member of the staff, with music by the hospital choir. During the winter a dance was held each week. In addition to this there have also been the following entertainments:—

Magician,	November 4, 1899
Ventriloquist,	November 14, 1899
Miss Eastman and members of the Grange,	November 17, 1899
Stereopticon lecture,	December 18, 1899
Christmas party,	December 25, 1899
Elocutionist,	January 2, 1900
Stereopticon lecture,	January 8, 1900
Mt. Holyoke College Glee Club and Miss Eastman,	January 31, 1900
Magician,	February 13, 1900
Stereopticon lecture,	February 19, 1900
Crayon artist,	March 23, 1900
Banjo concert,	May 17, 1900
Smith College Banjo Club,	June 5, 1900
Whist parties (two),	July, 1900
Lecture, "The Klondike Region,"	August 23, 1900
Whist parties (two),	September, 1900

The thanks of our patients and officers are due those who have so kindly volunteered their services for the above entertainments.

ACKNOWLEDGMENTS.

Mr. S. E. Bridgman of Northampton and Mrs. Knowlton of Athol have made generous contributions of magazines. The publishers of the "New England Zeitung," the "Christian Register" and the "Berkshire County Eagle" have sent regular copies of their welcome papers. The Misses Eastman of South Hadley have contributed fruit, and have also kindly volunteered the services of themselves and the college glee clubs for our entertainment on several occasions. Miss Jessie Orr of Adams has sent us fruit on several occasions. Miss White of Fort Hill presented an invalid's chair, which will prove to be very useful. To all of the above-mentioned friends of the hospital we acknowledge our grateful appreciation.

JOHN A. HOUSTON.

DIETARY OF THE NORTHAMPTON INSANE HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons, and the second to those of somewhat over three hundred. In addition to these, about sixty quarts of egg and milk are taken through the wards between meals and at bed time, and distributed to the old, the feeble and the convalescent classes.]

BILL OF FARE No. 1.

BREAKFAST.

- Monday.* — Tea, oatmeal, coffee, broiled beefsteak or eggs, potatoes, warm rolls ("biscuit"), bread and butter.
- Tuesday.* — Tea, coffee, oatmeal, fried tripe,* potatoes, warm rolls, bread and butter.
- Wednesday.* — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes and warm brown (rye and Indian) bread.
- Thursday.* — Tea, coffee, oatmeal, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, oatmeal, fried tripe,* potatoes, warm rolls, bread and butter.
- Saturday.* — Tea, coffee, oatmeal, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, oatmeal, eggs, potatoes, warm rolls, bread and butter and fried Indian corn pudding.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable,† bread and butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal,‡ potatoes and one other vegetable,† bread and butter, and baked Indian pudding.
- Wednesday.* — Either fried or baked fresh fish or boiled mutton, potatoes and one other vegetable,† bread and butter, and berry or apple pudding, with sauce.§
- Thursday.* — Vegetable soup, corned beef, potatoes and one other vegetable,† bread and butter, and boiled suet pudding with syrup.

* Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

† At least three vegetables during the summer.

‡ Substituted in winter by fresh pork ribs, roasted.

§ In spring, maple syrup is used as sauce for puddings.

Friday.— Either boiled or roasted mutton * or stewed or roasted veal, potatoes and one other vegetable,† bread and butter, and tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday.— Baked beans, corned beef, potatoes and one other vegetable,‡ pickles, bread and butter, and baked bread pudding.

Sunday.— Stewed mutton, potatoes, warmed baked beans, pickles, bread and butter, and pies, the kind varying with the season.

SUPPER.

Monday.— Tea and bread, warm corn cake and butter, hard gingerbread and a relish.‡

Tuesday.— Tea, white bread, graham bread and butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.

Wednesday.— Tea, bread and butter, pie (the kind varying with the season) and ginger snaps and a relish.

Thursday.— Tea, bread and butter, cookies and cheese.

Friday.— Tea, bread and butter, cake (the kind varying) and a relish.

Saturday.— Tea, bread and butter, doughnuts and cheese.

Sunday.— Tea, bread and butter, cookies and ginger snaps and blanc-mange or corn starch.

Extra.— In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

Monday.— Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

Tuesday.— Coffee, oatmeal, cold roast beef, potatoes, and bread and butter.

Wednesday.— Coffee, oatmeal, meat stew or boiled eggs, potatoes, and warm rye and Indian corn brown bread and butter.

Thursday.— Coffee, oatmeal, picked codfish cooked in milk, potatoes, and bread and butter.

Friday.— Coffee, oatmeal, cold corned beef or meat stew, potatoes, and bread and butter.

Saturday.— Coffee, oatmeal, hash, either of meat or fish, and bread and butter.

Sunday.— Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

DINNER.

Monday.— Roast beef, potatoes and one other vegetable,‡ boiled hominy with molasses and bread.

* Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

† At least three vegetables during the summer.

‡ This term, used for the want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruits, all of which are supplied, and each according to the season.

Tuesday. — Vegetable soup, potatoes and one other vegetable,* baked Indian pudding † and bread.

Wednesday. — Boiled fresh fish with drawn-butter sauce, potatoes and one other vegetable,* boiled hasty pudding with molasses and bread.

Thursday. — Vegetable soup, potatoes, cabbage or some other vegetable,* boiled rice with molasses ‡ and bread.

Friday. — Boiled codfish with drawn-butter sauce, potatoes, beets or some other vegetable, boiled hasty pudding with molasses and bread.

Saturday. — Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday. — Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday. — Tea, bread and butter, and hard gingerbread.

Tuesday. — Tea, bread and butter, and soft gingerbread.

Wednesday. — Tea, bread and butter, cake or gingersnaps, and some kind of relish.

Thursday. — Tea, bread and butter, and cookies.

Friday. — Tea, bread and butter, and soft gingerbread.

Saturday. — Tea, bread and butter, cake or gingersnaps, sauce.

Sunday. — Tea, bread and butter, and cookies.

EXTRAS.

In the winter and spring months, hulled corn at supper on Saturdays.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In eight halls, sauce, of either fresh or dried apples, is furnished four times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five bushels of green sweet corn in the ear is consumed in its season, daily, with the exception of Sunday.

Strawberries, tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horse-radish as a condiment.

During eight months of the year apples are distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast, milk toast, toast with dropped egg and boiled eggs, for invalids and all who are not able to take the regular fare.

* At least three vegetables in the summer.

† All baked puddings for the whole household are made with milk.

‡ Maple syrup is furnished, in place of molasses, three or four times in the spring.



STATISTICAL TABLES.



STATISTICAL TABLES.

1. — General Statistics of the Year.

	Males.	Females.	Totals.
Patients in the hospital Oct. 1, 1899,	295	295	590
Admitted within the year,	133	110	243
Whole number of cases within the year,	428	405	833
Viz.: insane,	132	110	242
not insane,	1	—	1
Discharged within the year,	116	127	243
Viz.: as recovered at the time of leaving the hospital,	34	24	58
as much improved,	12	24	36
as improved,	9	8	17
as not improved,	19	22	41
not insane,	1	—	1
On visit,	1	—	1
Eloped,	3	—	3
Deaths,	37	49	86
Patients remaining Sept. 30, 1900,	312	278	590
Viz.: supported as State patients,	66	42	108
town patients,	204	197	401
private patients,	42	39	81
Number of different persons within the year,	425	401	826
Persons admitted,	133	109	242
Persons recovered,	34	24	58
Daily average number of patients,	296.48	279.85	576.33
Viz.: State,	51.72	34.15	85.87
town,	207.20	203.19	410.39
private,	37.56	42.51	80.07

2. — *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1899.												
October,	6	8	14	12	8	20	4	3	7	286.16	291.45	577.61
November,	13	8	21	4	6	10	2	5	7	288.66	292.43	581.09
December,	10	8	18	6	9	15	2	8	10	293.96	283.67	577.63
1900.												
January,	6	9	15	4	5	9	4	3	7	291.19	278.74	569.93
February,	6	2	8	4	4	8	2	1	3	287.85	279.46	567.31
March,	20	14	34	6	12	18	5	3	8	290.25	278.90	569.15
April,	14	18	32	11	10	21	2	6	8	300.96	280.16	581.12
May,	12	9	21	10	5	15	2	7	9	297.70	276.09	573.79
June,	15	7	22	5	9	14	5	2	7	301.43	272.43	573.86
July,	9	15	24	4	6	10	4	5	9	304.90	272.77	577.67
August,	11	7	18	8	3	11	2	2	4	305.74	274.54	580.28
September,	11	5	16	4	1	5	3	4	7	309.00	277.66	586.66
Total of cases,	133	110	243	78	78	156	37	49	86	—	—	—
Total of persons,	133	109	242	78	78	156	—	—	—	—	—	—
Daily average,	—	—	—	—	—	—	—	—	—	296.48	279.85	576.33

3. — *Received on First and Subsequent Admissions.*

NUMBER OF ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	110	83	193	—	—	—
Second,	20	17	37	7	4	11
Third,	1	7	8	—	3	3
Fifth,	1	2	3	1	1	2
Sixth,	1	—	1	—	—	—
Eighth,	—	1	1	—	—	—
Total of cases,	133	110	243	8	8	16
Total of persons,	133	109	242	—	—	—

4. — *Relations to Hospitals of Persons admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane,	101	82	183
Former inmates of this hospital only,	22	26	48
of other hospitals only,	9	1	10
of this and other hospitals,	1	1	2
Total of cases,	133	110	243
Total of persons,	133	109	242

5. — *Residence of Persons admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	29	19	38
Hampden County,	63	58	121
Berkshire County,	24	21	45
Franklin County,	16	10	26
Worcester County,	1	—	1
Middlesex County,	—	1	1
Totals,	133	109	242
Cities or towns,	103	81	184
Country districts,	30	28	58
Totals,	133	109	242

6. — *Nativity and Parentage of Persons admitted.*

PLACES OF NATIVITY.	PATIENTS.			PARENTS.					
				MALES.		FEMALES.		TOTALS.	
	Ma.	Fe.	Tot.	Fa.	Mo.	Fa.	Mo.	Fa.	Mo.
Massachusetts, .	71	41	112	38	38	30	30	68	68
Other States, .	20	22	42	21	20	17	17	38	37
Total native, .	91	63	154	59	58	47	47	106	105
Austria, . . .	1	—	1	—	—	—	—	—	—
Bohemia, . . .	—	1	1	—	—	1	1	1	1
Canada, . . .	9	10	19	12	13	14	14	26	27
England, . . .	—	3	3	—	—	4	4	4	4
Germany, . . .	5	1	6	7	7	2	2	9	9
Ireland, . . .	15	24	39	35	36	33	32	68	68
Italy, . . .	4	—	4	3	4	—	—	3	4
Poland, . . .	2	1	3	3	3	1	1	4	4
Prussia, . . .	1	—	1	1	1	—	—	1	1
Nova Scotia, . .	—	—	—	1	1	—	—	1	1
Scotland, . . .	3	5	8	8	6	5	6	13	12
Sweden, . . .	2	1	3	2	2	1	1	3	3
Wales, . . .	—	—	—	1	1	—	—	1	1
Total foreign, .	42	46	88	73	74	61	61	134	135
Unknown, . . .	—	—	—	1	1	1	1	2	2
Totals, . . .	133	109	242	133	133	109	109	242	242

7. — Civil Condition of Persons admitted.

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, .	44	35	79	52	30	82	14	18	32	-	-	-	110	83	193
Second, .	13	5	18	6	9	15	1	2	3	1	1	1	20	17	37
Third, .	1	-	1	-	2	2	-	5	5	-	-	-	1	7	8
Fifth, .	1	1	2	-	1	1	-	-	-	-	-	-	1	2	3
Sixth, .	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
Eighth, .	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1
Total of cases, .	59	41	100	59	43	102	15	25	40	1	1	1	133	110	243
Total of persons, .	59	41	100	59	42	101	15	25	40	1	1	1	133	109	242

Puerperal, . . . . .	.	.	.	.	9	9	2	2	2	4	5	9	7	9	16	45	7	52
Senility, . . . . .	.	.	.	.	24	16	2	2	2	4	5	9	7	9	16	45	7	52
Sunstroke, . . . . .	.	.	.	.	2	—	—	—	—	2	—	2	—	—	—	—	—	—
Syphilis, . . . . .	.	.	.	.	8	1	—	—	—	1	1	2	—	—	1	—	—	—
<i>Mental</i> :— Congenital, . . . . .	.	.	.	.	13	8	—	—	—	8	1	9	—	—	—	—	—	—
Domestic trouble, . . . . .	.	.	.	.	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Fright, . . . . .	.	.	.	.	—	1	—	—	—	—	—	—	—	—	1	—	—	—
Grief, worry, etc., . . . . .	.	.	.	.	2	6	—	—	—	—	—	—	—	—	1	—	—	—
<i>Unknown</i>, . . . . .	.	.	.	.	15	14	1	1	2	6	2	8	—	—	—	—	—	—
B.—NOT INSANE:—																		
Cocainism, . . . . .	.	.	.	.	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals, . . . . .	.	.	.	.	133	109	10	13	23	40	35	75	7	9	16	45	7	52

9. — Occupation of Persons admitted.

MALES.

Barber,	1	Machinists,	7
Blacksmith,	1	Motor-man,	1
Book-keeper,	1	Musicians,	2
Brakeman,	1	Messenger boy,	1
Clerks,	3	Mechanic,	1
Contractor,	1	Night watchman,	1
Carpenter,	1	No occupation,	8
Cooper,	1	Operatives,	11
Cigar maker,	1	Painters,	2
Druggist,	1	Physicians,	3
Editor,	1	Paper hanger,	1
Engineer,	1	Road master,	1
Farmers,	21	Salesmen,	5
Florist,	1	Silversmith,	1
Fireman,	1	Shoemakers,	3
Gardeners,	2	Steam fitter,	1
Hostlers,	3	Student,	1
Janitor,	1	Telegraph operator,	1
Laborers,	32	Tinsmith,	1
Lawyer,	1	Upholsterer,	1
Liveryman,	1	Woodworker,	1

FEMALES.

Book agent,	1	Housewives,	10
Clerks,	4	Laundress,	1
Cook,	1	Nurse,	1
Domestics,	14	Operatives,	16
Dressmakers,	2	Teacher,	1
Hairdresser,	1	Waitress,	1
Housekeepers,	8	No occupation,	11
Housework,	5		

9. — *Occupation of Persons admitted — Concluded.*

WIFE OF —			
Baggage master,	1	Groceryman,	1
Barber,	1	Laborer,	4
Blacksmith,	1	Machinist,	1
Clergyman,	1	Mill operative,	5
Cobbler,	1	Night watchman,	1
Farmer,	14	Salesman,	1
Fireman,	1		

10. — *Record of Cases admitted within the Year.*

PATIENTS.	Males.	Females.	Totals.
Admitted,	133	110	243
Insane,	132	110	242
Not insane,	1	—	1
Discharged recovered,	18	10	28
much improved,	7	8	15
improved,	5	3	8
not improved,	6	8	14
not insane,	1	—	1
on visit,	1	—	1
Died,	16	14	30
Remaining Sept. 30, 1900,	79	67	146
Number likely to recover or improve, . .	8	11	19

11. — *Ages of Insane at First Attack, Admission and Death.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.						PERSONS DIED.					
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	6	6	12	-	-	-	1	-	1	-	-	-
15 years and less, . . .	1	2	3	1	1	2	-	1	1	-	-	-
From 15 to 20 years, . .	4	9	13	3	7	10	1	2	3	-	-	-
20 to 25 years, . . .	7	6	13	7	8	15	-	4	4	1	2	3
25 to 30 years, . . .	12	8	20	15	6	21	5	2	7	1	3	4
30 to 35 years, . . .	14	6	20	11	8	19	-	6	6	-	-	-
35 to 40 years, . . .	10	14	24	14	14	28	-	5	5	1	2	3
40 to 50 years, . . .	11	8	19	10	11	21	5	5	10	4	7	11
50 to 60 years, . . .	10	7	17	13	9	22	7	4	11	7	7	14
60 to 70 years, . . .	7	6	13	9	6	15	5	6	11	7	6	13
70 to 80 years, . . .	15	5	20	11	8	19	7	6	13	7	15	22
Over 80 years,	1	4	5	7	4	11	3	4	7	9	7	16
Unknown,	3	1	4	-	-	-	3	4	7	-	-	-
Total of persons, . .	101	82	183	101	82	183	37	49	86	37	49	86
Mean ages,	42	40	41	46	42	44	55	47	49	63	60	61

12. — *Reported Duration of Disease before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL			ALL OTHER ADMISSIONS.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	6	6	12	5	-	5	11	6	17
Under 1 month,	13	13	26	4	1	5	17	14	31
From 1 to 3 months, . . .	21	18	39	7	5	12	28	23	51
3 to 6 months,	13	10	23	2	3	5	15	13	28
6 to 12 months,	9	8	17	2	1	3	11	9	20
1 to 2 years,	5	4	9	2	2	4	7	6	13
2 to 5 years,	16	11	27	3	2	5	19	13	32
5 to 10 years,	6	4	10	3	6	9	9	10	19
10 to 20 years,	5	6	11	1	1	2	6	7	13
Over 20 years,	3	1	4	2	5	7	5	6	11
Unknown,	4	1	5	1	2	3	5	3	8
Total of cases,	101	82	183	32	28	60	133	110	243
Total of persons,	-	-	-	-	-	-	133	109	242
Average in years,	2.53	2.44	2.49	3.83	7.48	5.65	2.31	3.74	3.24

14. — Discharges, classified by Admission and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	25	18	43	11	16	27	10	4	14	19	18	37	1	-	1	34	40	74	100	96	196
Second,	6	3	9	1	5	6	-	4	4	3	2	5	-	-	-	3	7	10	13	21	34
Third,	2	1	3	-	2	2	-	-	-	-	1	1	-	-	-	-	1	1	2	5	7
Fourth,	-	1	1	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	3	3
Fifth,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Sixth,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Eighth,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1
Total of cases,	34	24	58	12	24	36	10	8	18	22	22	44	1	-	1	37	49	86	116	127	243
Total of persons,	34	24	58	12	24	36	10	8	18	22	22	44	1	-	1	37	49	86	-	-	-

15. — Causes of Death.

CAUSES.	Males.	Females.	Totals.
Anuerism, femoral,	—	1	1
Apoplexy,	4	2	6
Bronchitis,	—	1	1
Cancer of the stomach,	1	—	1
Chronic interstitial nephritis,	1	—	1
Embolism, pulmonary,	1	—	1
Endocarditis,	—	1	1
Enteritis,	—	1	1
Epilepsy,	1	—	1
Erysipelas,	—	1	1
Exhaustion from long-continued suppuration of spina bifida,	—	1	1
Fever, typhoid,	1	6	7
Fever, malarial,	1	1	2
Fibrous hepatitis,	—	1	1
Heart disease, valvular,	5	4	9
Influenza,	—	2	2
Organic dementia,	4	2	6
Paralysis,	—	1	1
Paresis,	5	2	7
Pericarditis,	—	1	1
Peritonitis,	—	1	1
Pernicious anæmia,	—	1	1
Pneumonia,	—	1	1
Pneumonia and progressive bulbar paralysis,	1	—	1
Pneumonia and senility,	2	4	6
Pulmonary tuberculosis,	2	5	7
Rupture of the heart,	—	1	1
Senile gangrene,	—	2	2
Senility,	6	5	11
Septicæmia,	1	1	2
Status epilepticus and typhoid fever,	1	—	1
Totals,	37	49	86

16. — Recoveries, classified by Duration of Disease and of Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month,	24	12	36	2	2	2	1	—	1	2	—	2
From 1 to 3 months,	6	5	11	12	8	20	10	5	15	8	8	19
3 to 6 months,	2	4	6	15	8	23	13	6	19	12	5	17
6 to 12 months,	—	1	1	2	4	6	5	6	11	4	5	9
1 to 2 years,	2	2	4	3	1	4	3	4	7	4	3	7
2 to 5 years,	—	—	—	—	3	3	2	2	4	4	2	3
5 to 10 years,	—	—	—	—	—	—	—	1	1	—	1	1
Totals,	34	24	58	34	24	58	34	24	58	34	24	58
Average of known cases (in months), 2.06	2.65	2.33	2.33	5.00	7.26	5.86	7.06	9.91	8.10	7.96	10.91	8.95
										5.77	9.00	7.15

17. — Deaths, classified by Duration of Disease and Treatment.

PERIOD.	LAST ATTACK.			ALL ATTACKS.		
	DURATION BEFORE ADMISSION.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
	HOSPITAL RESIDENCE.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month,	—	—	6	—	—	—
From 1 to 3 months,	3	7	10	—	—	—
3 to 6 months,	1	6	7	—	—	—
6 to 12 months,	3	6	9	3	5	8
1 to 2 years,	9	2	11	3	2	5
2 to 5 years,	12	12	24	6	3	9
5 to 10 years,	2	6	8	9	10	19
10 to 20 years,	5	6	11	5	11	16
Over 20 years,	2	4	6	4	9	13
Totals,	37	49	86	7	9	16
Average of known cases (in months),	64.19	65.81	65.12	37	49	86
	45.70	70.63	60.14	109.89	136.44	125.02
	114.08	141.02	129.43	51.21	75.18	64.87

18. — Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of Each Year's Admissions remaining Sept. 30, 1900.

YEARS ENDING SEPT. 30.	NEW CASES (FIRST ADMISSION).											
	ADMITTED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1858, — 2 months,	99	129	228									
1859, . . .	42	46	88									
1860, . . .	66	91	157									
1861, . . .	58	46	104									
1862, . . .	51	43	94									
1863, . . .	56	57	113									
1864, . . .	35	30	65									
1865, . . .	54	55	109									
1866, . . .	66	52	118									
1867, . . .	42	69	111									
1868, . . .	54	71	125									
1869, . . .	72	64	136									
1870, . . .	80	103	183									
1871, . . .	93	88	181									
1872, . . .	83	85	168									
1873, . . .	89	69	158									
1874, . . .	86	69	155									
1875, . . .	61	62	123									
1876, . . .	63	63	126									

1

1877,	.	.	.	55	55	110
1878,	.	.	.	31	24	55
1879,	.	.	.	49	34	83
1880,	.	.	.	50	47	97
1881,	.	.	.	48	49	97
1882,	.	.	.	50	52	102
1883,	.	.	.	65	52	117
1884,	.	.	.	37	58	95
1885,	.	.	.	53	46	99
1886,	.	.	.	63	73	136
1887,	.	.	.	58	61	119
1888,	.	.	.	62	60	122
1889,	.	.	.	78	35	113
1890,	.	.	.	75	59	134
1891,	.	.	.	72	46	118
1892,	.	.	.	82	58	140
1893,	.	.	.	75	54	129
1894,	.	.	.	72	65	137
1895,	.	.	.	91	78	169
1896,	.	.	.	94	74	168
1897,	.	.	.	77	70	147
1898,	.	.	.	83	75	158
1899,	.	.	.	98	78	176
1900,	.	.	.	110	83	193
Totals,	.	.	.	2,878	2,678	5,556

18.—*Annual Admissions, etc.* — Concluded.

[illegible]

20. — Operations of the Hospital, from the Beginning, in Each Year.

	ADMITTED.			DISCHARGED AND DIED.												Whole Number of Cases in the Year.	Number of Patients at End of the Year.								
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.					NOT INSANE.			DIED.				
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			Males.	Females.	Totals.	Males.	Females.	Totals.		
1858,—2 months,	99	129	228	—	—	—	4	—	4	2	2	4	—	—	—	—	—	—	—	—	—	—	—	228	220
1858-59, . . .	46	47	93	18	15	33	9	9	18	7	5	12	—	—	—	—	—	—	—	—	—	—	7	12	19
1859-60, . . .	73	94	167	19	16	35	12	10	22	2	2	4	—	—	—	—	—	—	—	—	—	—	9	18	27
1860-61, . . .	71	53	124	18	17	35	14	14	28	4	7	11	—	—	—	—	—	—	—	—	—	—	15	15	30
1861-62, . . .	64	48	112	19	15	34	27	15	42	9	5	14	1	—	—	—	—	—	—	—	—	—	9	10	19
1862-63, . . .	70	68	138	12	15	28	16	10	26	4	3	7	—	—	—	—	—	—	—	—	—	—	19	7	26
1863-64, . . .	47	45	92	30	19	49	19	15	34	4	6	10	—	—	—	—	—	—	—	—	—	—	17	30	47
1864-65, . . .	70	64	134	17	16	33	14	15	29	8	5	13	—	—	—	—	—	—	—	—	—	—	17	24	41
1865-66, . . .	75	61	136	16	10	26	12	7	19	5	2	7	—	—	—	—	—	—	—	—	—	—	18	13	31
1866-67, . . .	61	77	138	24	18	42	15	13	28	6	7	13	—	—	—	—	—	—	—	—	—	—	23	24	47
1867-68, . . .	68	84	152	21	19	40	22	27	49	5	7	12	—	—	—	—	—	—	—	—	—	—	25	18	43
1868-69, . . .	84	85	169	31	18	49	23	33	56	20	38	58	—	—	—	—	—	—	—	—	—	—	13	12	25
1869-70, . . .	90	112	202	23	27	50	15	43	58	22	34	56	—	—	—	—	—	—	—	—	—	—	22	11	33
1870-71, . . .	109	102	211	16	27	43	23	41	64	31	30	61	—	—	—	—	—	—	—	—	—	—	16	12	28
1871-72, . . .	101	98	199	25	15	40	33	27	60	22	27	49	—	—	—	—	—	—	—	—	—	—	19	18	37
1872-73, . . .	102	79	181	19	29	48	37	22	59	23	29	52	—	—	—	—	—	—	—	—	—	—	13	8	21
1873-74, . . .	105	88	193	25	12	37	24	19	43	27	18	45	—	—	—	—	—	—	—	—	—	—	14	11	25
1874-75, . . .	75	78	153	16	13	29	21	24	45	17	21	38	—	—	—	—	—	—	—	—	—	—	23	18	41
1875-76, . . .	76	77	153	19	13	32	18	31	49	24	23	47	—	—	—	—	—	—	—	—	—	—	18	19	37
1876-77, . . .	68	71	139	15	18	33	8	13	21	15	17	32	—	—	—	—	—	—	—	—	—	—	21	21	42

1877-78, . . .	40	36	76	7	19	26	-	-	-	17	27	44	16	13	29	-	-	-	14	9	23	551	429
1878-79, . . .	63	43	106	13	13	26	-	-	-	15	13	28	11	3	14	1	1	2	14	9	23	535	442
1879-80, . . .	59	58	117	16	12	28	5	7	12	11	12	23	9	10	19	2	-	2	17	12	29	559	446
1880-81, . . .	57	66	123	7	13	20	6	7	13	15	15	30	6	10	16	1	-	1	16	10	26	569	463
1881-82, . . .	62	62	124	13	15	28	4	9	13	7	14	21	14	13	27	-	1	1	24	14	38	587	459
1882-83, . . .	73	69	142	11	17	28	9	-	9	18	15	33	21	14	35	1	1	2	17	13	30	606	469
1883-84, . . .	61	75	136	9	16	25	6	11	17	16	19	35	16	20	36	3	1	4	12	13	25	605	463
1884-85, . . .	66	70	136	17	12	29	4	5	9	12	17	29	10	16	26	1	2	3	16	11	27	599	476
1885-86, . . .	85	98	183	10	19	29	8	2	10	23	36	59	20	23	43	1	-	1	14	12	26	659	491
1886-87, . . .	72	76	148	16	8	24	5	3	8	26	31	67	21	16	37	1	2	3	13	18	31	639	469
1887-88, . . .	87	79	166	23	13	36	3	6	9	25	22	47	12	17	29	2	-	2	14	17	31	635	481
1888-89, . . .	98	57	155	27	15	42	6	6	12	25	40	65	35	8	43	2	1	3	18	7	25	636	446
1889-90, . . .	91	79	170	18	14	32	5	9	14	17	17	34	12	5	17	1	2	3	12	9	21	616	495
1890-91, . . .	82	59	141	29	16	45	7	7	14	27	26	53	18	22	40	-	-	-	19	12	31	636	453
1891-92, . . .	102	75	177	16	21	37	9	10	19	13	8	21	15	8	23	3	-	3	29	9	38	630	489
1892-93, . . .	91	78	169	20	11	31	11	15	26	19	18	37	21	22	43	4	-	4	20	17	37	658	480
1893-94, . . .	89	83	172	20	12	32	7	7	14	11	17	28	14	22	36	1	-	1	26	11	37	652	504
1894-95, . . .	110	91	201	16	22	38	15	7	22	15	14	29	19	19	38	-	-	-	18	14	32	705	546
1895-96, . . .	114	95	209	23	13	36	8	6	14	19	20	39	19	41	60	-	1	1	28	18	46	755	559
1896-97, . . .	96	86	182	16	14	30	12	9	21	17	18	35	48	38	86	-	2	2	27	18	45	741	522
1897-98, . . .	111	102	213	23	17	40	10	9	19	8	10	18	21	22	43	2	1	3	32	17	49	735	563
1898-99, . . .	115	105	220	32	24	56	7	14	21	13	8	21	23	17	40	2	1	3	26	26	52	733	590
1899-1900, . .	133	110	243	34	24	58	12	24	36	10	8	18	22	22	44	1	-	1	37	49	86	833	590

21. — *Classified Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65,	225.10	48.16	69.83	343.25
1865-66,	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67,	261.96	49.46	89.75	401.17
1867-68,	262.65	47.92	103.06	413.63
1868-69,	248.52	54.98	101.46	404.96
1869-70,	236.19	65.04	107.23	408.46
1870-71,	234.10	77.07	118.38	429.55
1871-72,	226.96	89.57	112.27	428.80
1872-73,	248.02	99.23	90.00	437.25
1873-74,	284.48	102.88	82.06	469.42
1874-75,	274.35	128.34	72.46	475.15
1875-76,	259.19	146.02	68.94	474.15
1876-77,	254.84	161.58	60.02	476.44
1877-78,	211.90	175.71	54.75	442.36
1878-79,	200.34	182.29	54.23	436.86
1879-80,	197.03	198.01	54.46	450.50
1880-81,	180.82	214.15	57.19	452.15
1881-82,	166.84	238.25	56.52	461.61
1882-83,	161.62	247.63	57.58	466.83
1883-84,	155.10	251.23	56.06	462.39
1884-85,	154.44	261.58	59.82	475.84
1885-86,	140.23	270.52	63.61	474.36
1886-87,	122.78	289.38	66.00	478.16
1887-88,	112.17	294.01	64.01	470.19
1888-89,	104.67	303.01	61.31	468.99
1889-90,	96.86	311.17	62.07	470.10
<i>Daily Average.</i>				
1890-91,	90.71	297.78	68.51	457.00
1891-92,	85.64	309.42	74.03	469.09
1892-93,	75.83	338.72	65.71	480.26
1893-94,	83.50	339.83	70.68	494.11
1894-95,	80.87	376.02	69.67	526.56
1895-96,	81.57	403.15	75.77	560.49
1896-97,	64.32	398.65	81.54	544.51
1897-98,	63.34	391.66	91.16	546.16
1898-99,	72.15	403.24	87.93	563.32
1899-1900,	85.87	410.39	80.07	576.33

22. — *Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1900.*

OFFICIAL YEAR.	Whole No. of Patients.	Daily Average No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Average No. of Patients.
			Men.	Women.	Totals.		
1858-59, . . .	313	229.55	7	12	19	6.07	8.27
1859-60, . . .	398	255.96	9	18	27	6.78	10.54
1860-61, . . .	434	314.26	15	15	30	6.91	9.54
1861-62, . . .	442	313.80	9	10	19	4.29	6.05
1862-63, . . .	470	355.28	19	7	26	5.53	7.31
1863-64, . . .	475	357.63	17	30	47	9.89	13.14
1864-65, . . .	469	342.40	17	24	41	8.76	11.97
1865-66, . . .	488	376.35	18	13	31	6.35	8.23
1866-67, . . .	543	401.03	23	24	47	8.65	11.71
1867-68, . . .	565	413.41	25	17	43	7.61	10.40
1868-69, . . .	590	405.10	13	12	25	4.23	6.17
1869-70, . . .	604	408.83	22	11	33	5.46	8.07
1870-71, . . .	616	421.90	16	12	28	4.54	6.64
1871-72, . . .	619	423.72	19	18	37	5.97	8.63
1872-73, . . .	614	437.23	13	8	21	3.42	4.80
1873-74, . . .	626	469.54	14	11	25	3.99	5.32
1874-75, . . .	629	475.35	23	18	41	6.52	8.62
1875-76, . . .	629	474.21	18	19	37	5.88	7.80
1876-77, . . .	603	476.16	21	21	42	6.96	8.82
1877-78, . . .	551	442.43	14	9	23	4.17	5.19
1878-79, . . .	535	436.73	14	9	23	4.29	5.27
1879-80, . . .	559	450.51	17	12	29	5.19	6.44
1880-81, . . .	569	451.79	16	10	26	4.57	5.75
1881-82, . . .	587	461.66	24	14	38	6.47	8.23
1882-83, . . .	606	466.76	17	13	30	4.95	6.42
1883-84, . . .	605	463.05	12	13	25	4.13	5.39
1884-85, . . .	599	475.94	16	11	27	4.51	5.67
1885-86, . . .	659	474.40	14	12	26	3.94	5.48
1886-87, . . .	639	478.55	13	18	31	4.85	6.47
1887-88, . . .	635	470.25	14	17	31	4.88	6.59
1888-89, . . .	636	469.10	18	7	25	3.93	5.32
1889-90, . . .	616	470.50	12	9	21	3.40	4.46
1890-91, . . .	636	457.00	19	12	31	4.87	6.78
1891-92, . . .	630	469.09	29	9	38	6.03	8.10
1892-93, . . .	658	480.26	20	17	37	5.62	7.70
1893-94, . . .	652	494.11	26	11	37	5.67	7.48
1894-95, . . .	705	526.56	18	14	32	4.53	6.07
1895-96, . . .	755	560.49	28	18	46	6.09	8.21
1896-97, . . .	741	544.51	27	18	45	6.07	8.26
1897-98, . . .	735	546.16	32	17	49	6.66	8.97
1898-99, . . .	783	563.32	26	26	52	6.64	9.23
1899-1900, . . .	833	576.33	37	49	86	10.32	14.92

23. — *List of Articles made in the Sewing-room.*

Aprons,	530	Ox blankets,	4
Bureau covers,	28	Pillow cases,	317
Caps,	699	Pillow ticks,	137
Carpet strips,	2	Roller towels,	464
Carpeting, yards,	100	Shirts,	307
Chemises,	53	Skirts,	149
Clothes bags,	4	Sheets,	914
Camisoles,	4	Spreads,	8
Canopies,	2	Shirt waists,	7
Curtains,	47	Suspenders, pairs,	45
Drawers,	54	Table cloths,	43
Dresses,	199	Towels,	1,556
Mattress ticks,	81	Underwaists,	6
Napkins,	185	Articles repaired,	19,652
Night gowns,	122		

24. — *Upholstery done in the Year.*

Hair mattresses made, new material,	103
Hair mattresses made, new ticks,	96
Hair mattresses made, old material,	143
Hair pillows made, new material,	48
Hair pillows made, new ticks,	32
Hair pillows made, old material,	103
Feather pillows made,	42

25. — *Amount of Preserving done in Kitchen Department.*

Canned fruit : —		Preserves : —	
Blackberries,	145 quarts.	Strawberries,	364 quarts.
Rhubarb,	140 quarts.	Damson plums,	55 quarts.
Pears,	128 quarts.	Green tomatoes,	25 quarts.
Blueberries,	115 quarts.	Peaches,	15 quarts.
Currants,	90 quarts.	Pears,	10 quarts.
Peaches,	29 quarts.	Sweet pickles : —	
Grapes,	11 quarts.	Pears,	47 quarts.
Cherries,	6 quarts.	Cucumbers,	25 quarts.
Tomatoes,	154 gallons.	Peaches,	15 quarts.
Jelly : —		Tomatoes,	15 quarts.
Currant,	138 glasses.	Chow chow,	25 gallons.
Strawberry,	84 glasses.	Pickled cucumbers,	4 barrels.
Blackberry,	12 glasses.		
Plum,	9 glasses.		

26. — Trustees of the Northampton Insane Hospital.

NAMES.	Residence.	When app'ted.	Service ended.	From what Cause.
Charles E. Forbes,* . . .	Northampton, . . .	1856	1857	Term expired.
Lucien C. Boynton,* . . .	Uxbridge, . . .	1856	1858	Term expired.
Eliphalet Trask,* . . .	Springfield, . . .	1856	1875	Term expired.
John C. Russell,* . . .	Great Barrington, . .	1856	1859	Resigned.
Horace Lyman, . . .	Greenfield, . . .	1856	1857	Removed.
Charles Smith,* . . .	Northampton, . . .	1857	1860	Resigned.
Luther V. Bell,* . . .	Somerville, . . .	1857	1859	Resigned.
Zebina L. Raymond,* . .	Greenfield, . . .	1858	1859	Resigned.
Franklin Ripley,* . . .	Greenfield, . . .	1859	1860	Died in office.
Edward Dickinson,* . . .	Amherst, . . .	1859	1864	Resigned.
Walter Laffin,* . . .	Pittsfield, . . .	1859	1866	Term expired.
Silas M. Smith,* . . .	Northampton, . . .	1860	1863	Term expired.
Charles Allen, . . .	Greenfield, . . .	1860	1861	Resigned.
Alfred R. Field,* . . .	Greenfield, . . .	1861	1864	Resigned.
Edward Hitchcock, . . .	Amherst, . . .	1863	1879	Resigned.
Silas M. Smith,* . . .	Northampton, . . .	1864	1887	Died in office.
Edmund H. Sawyer,* . .	Easthampton, . . .	1864	1879	Died in office.
Henry L. Sabin,* . . .	Williamstown, . . .	1866	1876	Term expired.
Adams C. Deane, M.D., .	Greenfield, . . .	1875	1898	Resigned.
Henry W. Taft, . . .	Pittsfield, . . .	1876	1893	Term expired.
William M. Gaylord, . .	Northampton, . . .	1879	1883	Term expired.
Lyman D. James, . . .	Williamsburg, . . .	1879	—	Still in office.
Christopher Merritt, . .	Springfield, . . .	1883	1888	Term expired.
Sarah A. Woodworth, . .	Chicopee, . . .	1884	—	Still in office.
Sarah M. Butler, . . .	Northampton, . . .	1884	—	Still in office.
John L. Otis,* . . .	Florence, . . .	1887	1890	Resigned.
N. A. Leonard,* . . .	Springfield, . . .	1888	1890	Died in office.
Alvan Barrus, . . .	Goshen, . . .	1890	—	Still in office.
Elisha Morgan, . . .	Springfield, . . .	1890	—	Still in office.
William D. MacInnes, . .	Pittsfield, . . .	1893	—	Still in office.
F. W. Chapin, M.D., . .	Springfield, . . .	1898	—	Still in office.

* Deceased.

27. — *Officers and Employees.*

[Time employed Sept. 30, 1900.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	11	—	6
Justus G. Hanson, M.D., assistant physician,	2	1	22
Harriet M. Wiley, M.D., assistant physician,	—	7	29
Charles H. Dean, M.D., assistant physician,	—	4	21
Lewis F. Babbitt, clerk and treasurer,	8	11	18
Walter I. Dodge, engineer,	5	4	29
John Mercier, farmer,	33	2	—
Ida A. Porter, matron,	2	1	29
Robert H. Gallivan, superintendent of nurses,	27	5	12
Clara V. S. Glidden, superintendent of nurses,	—	7	8
Florence Bedell, assistant to superintendent of nurses,	—	9	5
Lucy A. Gilbert, marker of clothing,	32	8	17
George N. Drury, steward,	3	—	—
Mattie G. Jones, secretary to superintendent,	8	10	15
Herbert W. Root, assistant steward,	1	4	22
William J. Moore, assistant steward,	3	11	3
George B. Walker, baker,	16	3	17
Herbert E. Walker, assistant baker,	2	6	17
Bessie M. Jones, seamstress,	—	11	7
Charles E. Williams, laundryman,	3	—	29
Kate Holcombe, laundress,	1	9	4
Jennie S. Locke, laundress,	—	2	25
Samuel L. Williams, nurse,	8	3	3
Jay E. Cook, nurse,	3	3	29
Robert A. Pike, nurse,	2	3	29
Bernard Kilkenny, nurse,	2	1	12
Fred J. Aldrich, nurse,	1	10	13
Willard E. Wyman, nurse,	1	5	24
Bernard Shover, watchman,	1	5	—
Henry Bridger, nurse,	1	5	7
William H. Morrill, nurse,	—	11	21
Wayland A. Rexford, nurse,	—	10	10
Charles A. Hammons, nurse,	—	5	16
Vernon G. Rand, nurse,	—	4	16
Austin P. Gill, night nurse,	—	4	16
Alfred L. Billings, nurse,	—	2	21
Robert W. Soper, nurse,	—	2	18
Frank L. Hill, night nurse,	—	2	8
David Somerville, nurse,	—	2	8
James M. Campbell, night nurse,	—	—	20
George W. Gerry, nurse,	—	—	25
John W. McGrath, nurse,	—	—	21
Mary A. Clark, nurse,	2	6	7
Lilla Hamm, night nurse,	1	11	3
Margaret Kennedy, night nurse,	1	4	10
Mary E. Gardner, nurse,	1	3	16
Edith Lytle, nurse,	—	11	5
May E. Brannan, nurse,	—	11	28
Jennie Hart, night nurse,	—	11	9
Louise Hutchins, nurse,	—	7	3

27. — *Officers and Employees — Concluded.*

NAMES.	Years.	Months.	Days.
Edith McLellan, nurse,	—	5	28
Hattie Reed, nurse,	—	5	25
Nora B. Chase, nurse,	—	5	18
Jennie M. Phillips, nurse,	—	4	1
Mattie Aldrich, nurse,	—	3	24
Lilla B. Messenger, night nurse,	—	3	15
Lena Melvin, nurse,	—	1	8
Alice Allen, nurse,	1	—	16
Myrtie Day, nurse,	—	9	24
Elizabeth Hill, nurse,	—	3	12
Ethel Craig, nurse,	—	—	9
Georgie Craig, nurse,	—	—	9
Alexandrine Grenier, door girl,	1	10	14
Susie Warren, centre housework,	6	6	8
Edith Metcalf, centre housework,	—	11	17
Maggie McNamara, centre housework,	—	11	2
Bridget Mansfield, rear housework,	—	11	14
Jennie Robinson, employees' dining-room,	—	1	17
Emma Peake, cook,	1	2	26
Grace Bidwell, cook,	—	1	29
Martha Moore, kitchen girl,	—	3	7
Mary Curran, kitchen girl,	—	—	24
Mary Britt, kitchen girl,	—	—	12
William C. Day, night engineer,	2	11	29
Walter B. Newton, assistant engineer,	—	8	16
Henry B. Cuthbertson, assistant engineer,	—	8	9
George W. Thorniley, florist,	7	5	11
Nicholas Riel, gardener,	23	8	8
Henry Mould, gardener,	2	4	10
James Madden, gardener,	24	—	28
Sifroi Belleville, carpenter,	30	3	29
Walter M. Tower, carpenter,	22	8	—
Alfred Parenteau, painter,	34	1	17
Leon Parenteau, painter,	1	11	29
George W. Braman, mechanic,	11	10	7
Thomas P. Clair, plumber,	2	5	1
David Mercier, coachman,	23	7	13
Henry M. Wilson, assistant farmer,	21	5	7
Patrick Eagan, farm laborer,	8	—	7
Xavier Dion, farm laborer,	7	3	16
Charles Ulrich, farm laborer,	4	5	7
B. McNamara, farm laborer,	2	5	8
J. Edward Brown, farm laborer,	—	10	28
George Baldus, farm laborer,	1	—	25
Prudent Nichole, farm laborer,	—	11	—
Benjamin W. Reed, farm laborer,	—	11	—
Henry W. Fuller, farm laborer,	—	7	2
Lyman W. Searle, farm laborer,	—	2	7

28. — *List of Persons regularly employed at the Northampton Insane Hospital, Sept. 30, 1900.*

Superintendent and physician,	per year, \$2,500 00
Assistant physician,	" 800 00
Female physician,	" 700 00
Assistant physician,	" 600 00
Treasurer and clerk,	" 1,800 00
Engineer, house rent and partial board,	" 1,100 00
Farmer,	" 780 00
Superintendent of nurses (2),	per month, 50 00
Matron,	" 37 50
Secretary to the superintendent,	" 33 00
Seamstress,	" 16 00
Laundryman, with board,	" 35 00
Laundress, with partial board,	" 22 00
Laundress,	" 15 00
Laundress,	" 14 00
Baker,	" 45 00
Assistant baker,	" 30 00
Steward, with partial board,	" 60 00
Assistant steward, with partial board,	" 45 00
Assistant steward,	" 35 00
Nurse (male),	" 35 00
Nurses (male, 7),	" 30 00
Nurses (male, 2),	" 25 00
Nurses (male, 5),	" 23 00
Nurses (male, 7),	" 21 00
Nurses (female, 7),	" 20 00
Nurses (female, 4),	" 16 00
Nurses (female, 6),	" 15 00
Nurses (female, 5),	" 14 00
Usher,	" 16 00
Housework, centre (female),	" 17 00
Housework, centre (female, 2),	" 16 00
Cook (female),	" 25 00
Cook (female),	" 18 00
Kitchen girl (1),	" 16 00
Clothes marker,	" 25 00

28. — *List of Persons regularly employed at the Northampton Insane Hospital, Sept. 30, 1900 — Concluded.*

Kitchen girls (3),	per month,	\$14 00
Employees' dining-room,	"	14 00
Housework (rear),	"	16 00
Watchman,	"	30 00
Carpenter,	per day,	2 25
Carpenter,	"	2 00
Painter,	"	1 75
Painter,	per month,	50 00
Gardener,	"	30 00
Gardener,	"	27 00
Assistant engineer,	"	35 00
Assistant engineers (2),	"	30 00
Coachman,	"	30 00
Florist, without board,	"	50 00
Farm hands (3),	"	30 00
Farm hands (4),	"	28 00
Farm hands (4),	"	25 00
Farm hand (1),	"	26 00

FARM PRODUCTS IN 1900.

Apples, 1,478 barrels, .	\$1,478 00	Oat feed, 11 tons, . .	\$110 00
Asparagus, 22 bushels, .	60 00	Onions, 225 bushels, .	135 00
Beans, shell, 67 bushels, .	33 50	Parsnips, 80 bushels, .	48 00
Beans, Lima, 43 bushels, .	21 50	Parsley, 2 bushels, . .	1 50
Beets, 323 bushels, . .	161 50	Pears, 57 bushels, . .	57 00
Beet greens, 16 bushels, .	8 00	Pease, 71 bushels, . .	53 25
Beef, 13,995 pounds, . .	959 24	Peppers, 3 bushels, . .	3 00
Broom brush, 1,500 pounds, .	75 00	Pie plant, 118 bushels, .	88 50
Broom seed, 80 bushels, .	32 00	Pigs roast, 7,	14 00
Cabbage, 4,150 heads, . .	160 00	Pigs sold, 366,	1,229 43
Cantalopes, 3,219 pounds, .	32 19	Pork, 29,427 pounds, . .	1,736 12
Carrots, 250 bushels, . .	125 00	Potatoes, 2,296 bushels, .	1,377 60
Calves sold, 37,	247 00	Posts, 121,	18 50
Cauliflower, 30 heads, . .	2 40	Pumpkins, 3 tons, . . .	30 00
Celery, 1,400 heads, . . .	38 83	Quince, 9 bushels, . . .	9 00
Cherries, 1 bushel,	3 84	Rye, 117 bushels, . . .	70 20
Cider, 3,000 gallons, . . .	180 00	Radishes, 530 bushels, .	15 90
Citron, 400 pounds,	4 00	Sales,	20 10
Corn, sweet, 241 bushels, .	120 50	Spinach, 84 bushels, . .	63 00
Corn, shell, 975 bushels, .	438 75	Squash, summer, 96 bush-	
Corn, fodder, 24 tons, . .	144 00	els,	48 00
Cucumbers, 184 bushels, .	92 00	Squash, winter, 18,180	
Currants, 24 bushels, . . .	82 00	pounds,	181 80
Eggs, 397 dozens,	111 68	Straw, 8 tons,	96 00
Egg plant, 100,	8 00	Strawberries, 2,463 quarts,	246 30
Ensilage, 125 tons,	437 00	Swiss chard, 39 bushels, .	18 50
Fowl, 834 pounds,	166 80	Tomatoes, 201 bushels, .	100 00
Hay, first growth, 193 tons, .	2,895 00	Turnips, Swede, 215 bush-	
Hay, second growth, 30 tons, .	450 00	els,	86 00
Hay, second quality, 3 tons, .	18 00	Turnips, English, 225	
Ice, 500 tons,	500 00	bushels,	45 00
Lettuce, 106 bushels, . . .	106 00	Veal, 360 pounds,	38 90
Lumber, 15,730 feet,	235 95	Watermelons, 13,257	
Milk, 47,953 gallons, . . .	9,590 60	pounds,	1,325 00
Oats, 60 bushels,	21 00	Wood, 53 cords,	130 00

Live stock belonging to the hospital:—

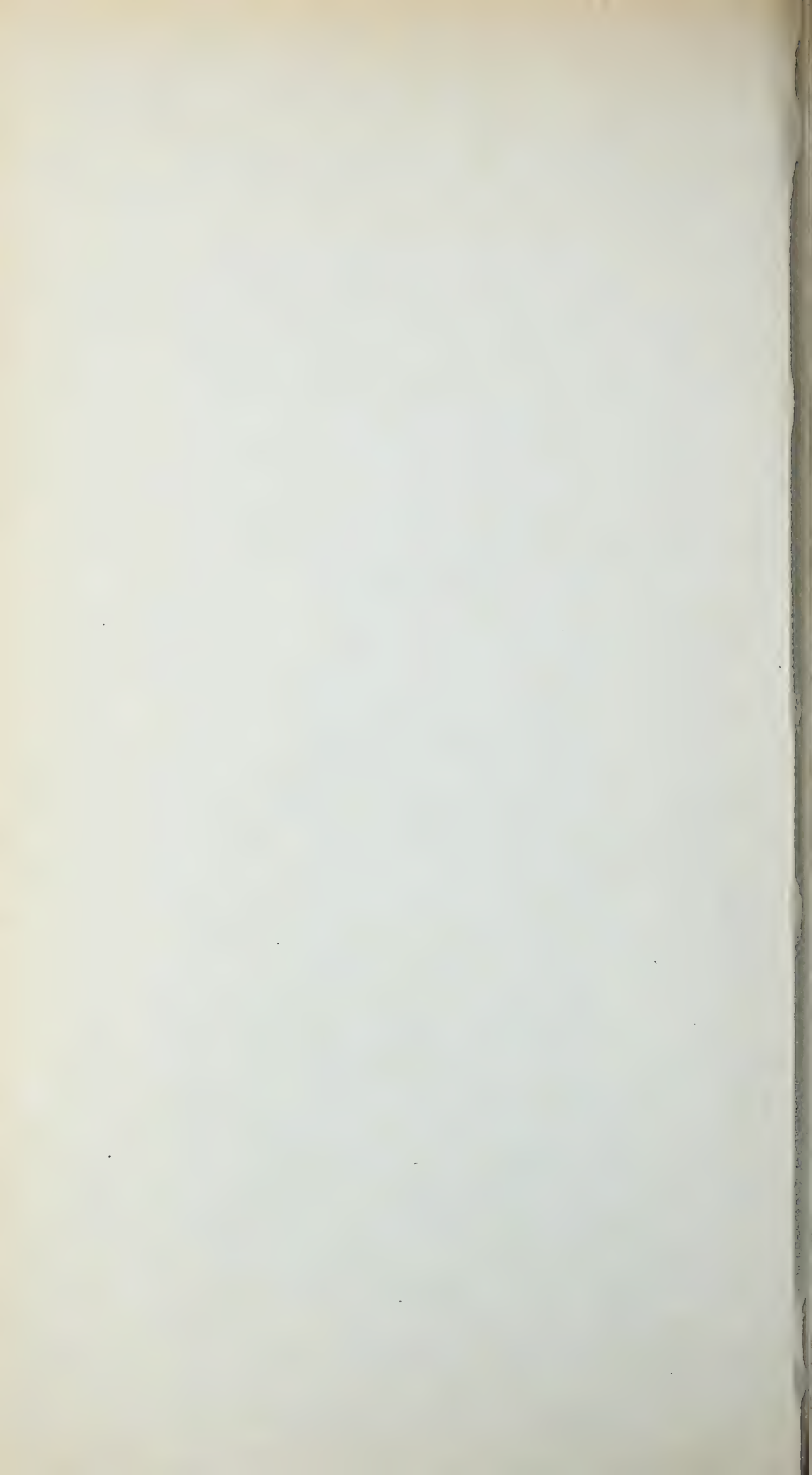
Cows,	68	Horses,	14
Bulls,	4	Colts,	2
Heifers,	30	Swine,	210
Yokes of oxen,	4		

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FORTY-SIXTH ANNUAL REPORT
OF
THE TRUSTEES
OF THE
NORTHAMPTON INSANE HOSPITAL,
FOR THE
YEAR ENDING SEPTEMBER 30, 1901.



BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1902.



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Mass. Northampton State Hospital



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OFFICERS

OF THE

NORTHAMPTON INSANE HOSPITAL.

TRUSTEES.

ELISHA MORGAN,	SPRINGFIELD.
ALVAN BARRUS,	. . . . .	GOSHEN.
SARAH A. WOODWORTH,	. . . . .	CHICOPEE.
SARAH M. BUTLER,	. . . . .	NORTHAMPTON.
F. W. CHAPIN, M.D.,	. . . . .	SPRINGFIELD.
WILLIAM D. MACINNES,	. . . . .	PITTSFIELD.
LYMAN D. JAMES,	. . . . .	WILLIAMSBURG.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	. . . . .	<i>Superintendent.</i>
JUSTUS G. HANSON, M.D.,	. . . . .	<i>1st Assistant Physician.</i>
HARRIET M. WILEY, M.D.,	. . . . .	<i>Assistant Physician.</i>
CHARLES H. DEAN, M.D.,	. . . . .	<i>Assistant Physician.</i>
ARTHUR B. MCGULTON, M.D.,	. . . . .	<i>Assistant Physician.</i>
LEWIS F. BABBITT,	. . . . .	<i>Clerk.</i>
IDA A. PORTER,	. . . . .	<i>Matron.</i>
JOHN MERCIER,	<i>Farmer.</i>
WALTER I. DODGE,	<i>Engineer.</i>

TREASURER.

LEWIS F. BABBITT,	NORTHAMPTON.
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Office at the Hospital.

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton Insane Hospital respectfully submit their report of the management of its affairs for the year ending Sept. 30, 1901, it being the forty-sixth annual report, and with it are presented the reports of the superintendent and treasurer.

The report of the superintendent shows the year to have been a busy one, with the largest daily average number of patients in the history of the hospital, and many of these, old and feeble, requiring much care. There has been no special change or event to record except an outbreak of diphtheria in February and March, which fortunately was soon controlled.

From the treasurer's report it appears that the hospital has been economically managed, and the financial condition is quite satisfactory. The cost of maintenance per patient has been a little less than it was last year. It is probable that the cost the coming year will be larger than it has been this year, because the articles most largely used, such as coal, flour, butter and meats, have all increased in price; also because of the partial failure of some of the crops on the farm.

From the table of farm products at the end of this report it will be seen that the year was a favorable one, so far as garden produce is concerned. The apple crop was nearly a failure; potatoes yielded a very small crop, probably about half the quantity required for the year; of squash there was but a small quantity. There was, however, to compensate somewhat, a large crop of hay. Last year the hay crop was so small that we fattened less beef than usual and milked fewer cows, as a

result of which the expense to the hospital for these necessary articles of diet was much larger than usual. An epidemic of cholera occurred among the swine, materially reducing the quantity of pork furnished the institution the present year and decreasing the amount to be expected the coming year.

IMPROVEMENTS.

Much has been done in the way of repairs and improvements, and much is still in progress.

The new horse stable was completed early in the year, and has proved to be very convenient and satisfactory in every way.

As soon as the old stable was vacated the process of remodeling it into a cold storage building was begun. The old flooring and timbers were removed and the cellar was excavated to a depth of three feet, new sand being filled in and a cement floor laid. New floors were built, dividing the building into three stories. The basement will be for the storage of potatoes. The ground floor is divided into rooms for various uses. In one room eggs will be stored, it being large enough for two car loads. For two years we have had eggs in cold storage in Boston, and our experience warrants us to expect a material economy in this one item alone. This present year we used 14,000 dozen of eggs, and will probably use more in the year to come. Another room of the house is for the storage of butter, being large enough for a year's supply. In a third room will be stored barrelled meats, corned beef, hams, etc. One room is for fresh meats, and the room adjoining is a cutting room. On the second floor apples will be stored, and on the upper floor, which is not properly a part of the cold storage system, will be kept sugar, flour and bulky supplies. An elevator runs from the basement to the upper floor.

The refrigerating machine is a twelve-ton absorption machine, made by the Isbell-Porter Company of Newark, N. J. In this process, brine made of calcium chloride is cooled in the refrigerating machine, and is then pumped through coils of pipe in each of the storage rooms. The desired temperature in the different rooms is secured and regulated by the length of pipe through which the brine is allowed to circulate, each coil of pipe being controlled by valves.

With the exception of setting up the refrigerating machine, the work has been done by our regular force of employees,

with the help of patients. The carpenter work has been done by patients working with our carpenter. Nearly one hundred thousand feet of spruce sheathing has been laid, and it is gratifying to say that the patients did their part very intelligently. They apparently enjoyed the work, and were much improved by it. The machinery is nearly ready to be tested, and the building will be put to use very soon.

In December, 1900, our electric service was increased by the addition of a $37\frac{1}{2}$ K. W. generator, made by the Westinghouse Electric Company. This is operated by a direct connected Ames engine. Both machines work smoothly, and are very efficient. Since they were installed there has been a continuous electric service during the twenty-four hours of each day.

Since the original electric plant was installed the extension of its use has been constant. For several years the laundry flat irons have been heated by it, water has been pumped from the spring, and a motor has been in use at the barn.

We have purchased a 10 horse-power motor to operate the machinery in the carpenter shop, and another to run the milk separator and the ice cream freezer. As soon as possible we shall purchase one to run the laundry machinery and another for the engineer's shop, and thus be able to do away with the belting, which not only is noisy but requires several horse-power to operate.

The new generator is of a little greater capacity than the old one. It is probable that in a few years, because of new buildings to light and other extensions of the use of electricity, a larger machine, similar to the one just installed, will be required to replace the older one of the two now in use.

A telephone system of thirty stations has been put in, and found to be a saving of time and labor.

The Legislature of 1901 made appropriations as follows: for an extension of the sewage system to connect with the city sewers, \$3,000; for an infirmary building, \$55,000; for a barn and cow stable and equipment, \$16,000.

In order to connect the old system of sewers with the city sewer it was necessary to construct a new one about 1,000 feet long to the river, about 90 feet in the bed of the river and 150 feet on the other side. Two man-holes on this side and the distance to the river have now been built. High water in the river all summer has prevented the completion of the work,

but it will be finished this season, without doubt, at a little smaller cost than the amount of the appropriation.

It was considered advisable to modify the plans for the infirmary building, and this has been done, though the original plans have been closely followed. The foundation will be put in before winter by our own force of employees, with the help of patients, ready to build early in the spring.

For the barn and cow stable it is intended to get out the framework this winter.

FUTURE NEEDS.

With the increasing demand for milk and beef, the trustees are considering the advisability of recommending the purchase of a farm somewhere in the vicinity of the hospital, where a colony of male patients can be established to care for a herd of cows. This would also relieve the overcrowding of the men's wards.

The question of an independent water supply for the hospital is also being considered. We are using an increasing quantity of water each year, and are now paying the city of Northampton a sum that represents the interest on an investment that would probably be enough to furnish us with an adequate system.

CHANGES IN MEDICAL STAFF.

In February Dr. Arthur B. Moulton was appointed as assistant physician. He came here from a service in the Philadelphia Municipal Hospital.

For a few months in the summer Dr. Helen T. Cleaves came here, after a year's service as assistant physician to Sherborn Prison, volunteering her services for the experience. She left to take a place in Winthrop Female College, Rockhill, S. C.

No other changes have taken place in the medical staff or in the corps of subordinate officers.

ELISHA MORGAN.
ALVAN BARRUS.
SARAH A. WOODWORTH.
SARAH M. BUTLER.
F. W. CHAPIN, M.D.
WILLIAM D. MACINNES.
LYMAN D. JAMES.

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1901.

Live stock on farm,	\$8,782 00
Products of farm on hand,	9,358 90
Carriages and agricultural tools,	3,200 00
Machinery and mechanical fixtures,	17,500 00
Beds and bedding in inmates' department,	13,000 00
Other furniture in inmates' department,	8,250 00
Personal property of State in superintendent's department,*	9,500 00
Ready-made clothing,	1,150 49
Dry goods,	1,013 09
Bedding,	749 18
Small wares,	389 14
Miscellaneous,	612 19
Provisions and groceries,	2,362 49
Drugs and medicines,	900 00
Fuel,	7,572 37
Library,	1,250 00
Paints and oils,	450 00
	<hr/>
	\$86,039 85

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the sewing-room and other departments.

TREASURER'S REPORT.

To the Trustees of the Northampton Insane Hospital.

I respectfully submit the following report of the finances of this institution for the year ending Sept. 30, 1901:—

ASSETS.

Five hundred and five acres of land, . . .	\$53,400 00
Hospital building,	480,000 00
Farm-house, \$1,700; brick house, \$1,700, . .	3,400 00
Three dwellings,	2,000 00
Storehouse, shops and cold storage, . . .	25,900 00
Two barns,	4,000 00
Horse stable,	6,000 00
Piggery,	3,000 00
Lumber house,	850 00
Cart shed,	400 00
Pump house,	500 00
Two ice houses,	300 00
Fire-proof house for oils and paints, . . .	500 00
	<hr style="width: 10%; display: inline-block; vertical-align: middle;"/> \$580,250 00

PERSONAL ESTATE.

Stocks and supplies, as per inventory,	\$86,039 85
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RECEIPTS.

Cash on hand Sept. 30, 1900,	\$23 29
Receipts from State Treasurer,	17,697 78
from towns,	70,536 56
from individuals,	21,041 41
from sales,	1,901 26
from interest,	144 56
from appropriations,	13,436 34
Cash belonging to patients,	370 52
	<hr style="width: 10%; display: inline-block; vertical-align: middle;"/> \$125,151 72

PAYMENTS.

Salaries and wages,		\$38,373 06
Provisions and supplies:—		
Meats of all kinds,	\$7,144 43	
Fish of all kinds,	1,518 17	
Fruit and vegetables,	1,868 31	
Flour (795 barrels),	3,229 50	
Grain and meal for table,	375 96	
Tea, coffee and chocolate,	1,401 92	
Sugar and molasses,	2,939 93	
Grain and meal for stock,	3,687 41	
Butter and cheese,	5,956 77	
Other groceries,	3,979 88	
All other provisions,	2,795 58	
		<hr/>
		34,897 86
Clothing,		4,104 80
Fuel and lights,		10,761 52
Medicine and medical supplies,		1,767 52
Furniture, beds and bedding,		4,045 00
Transportation and travelling expenses,		1,060 81
Ordinary construction and repairs,		2,781 23
Farm supplies,	\$2,372 91	
Farm stock,	215 00	
Water,	1,915 76	
Minor expenses,	2,575 75	
Contingencies,	711 49	
		<hr/>
		7,790 91
Total current expenses,		<hr/>
		\$105,582 71
Extraordinary expenses,	\$13,436 34	
Paid loan,	5,000 00	
Cash refunded patients,	280 58	
		<hr/>
		18,716 92
		<hr/>
		\$124,299 63
Cash on hand Sept. 30, 1901,		852 09
		<hr/>
		\$125,151 72

RESOURCES.

Cash on hand,	\$852 09	
Due from Commonwealth,	4,369 79	
from cities and towns,	18,877 94	
from individuals,	6,486 73	
		<hr/>
		\$30,586 55

LIABILITIES.

Salaries and wages due Oct. 1, 1901,	\$3,301 76	
Miscellaneous bills due,	14,805 98	
Patients' money,	1,454 11	
		<u>\$19,561 85</u>

SUMMARY.

Total receipts,	\$125,151 72
Total payments,	124,299 63
	<u>\$852 09</u>
Cash on hand Sept. 30, 1901,	
Total liabilities,	\$19,561 85
Total debts due institution,	30,586 55
Total expenditures,	124,299 63
Deducting from total expenditures,	\$124,299 63
The extraordinary expenses,	\$13,436 34
Paid on loan account,	5,000 00
Cash refunded patients,	280 58
	<u>18,716 92</u>
We have the current expenses,	\$105,582 71
Dividing the current expenses,	\$105,582 71
By the average number of inmates gives the average annual cost of	175 39
Equivalent to an average weekly cost of	3 36

LEWIS F. BABBITT,

Treasurer.

We have examined, as auditors, the accounts of the treasurer, and found a satisfactory voucher for every entry.

ELISHA MORGAN.

LYMAN D. JAMES.

SUPPLEMENTARY STATEMENT

RELATING TO SPECIAL APPROPRIATIONS.

OBJECT.	Resolve.	Whole Amount.	Expended in 1900.	Expended in 1901.	Balance Oct. 1, 1901.
Cold storage, {	May 2, 1900.	\$12,000 00	\$4,036 23	\$5,057 88	\$2,905 89
Horse stable, }					
Infirmary, {	June 18, 1901.	74,000 00	-	2,654 09	71,345 91
Hay barn, }					
Sewage, }					

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Insane Hospital.

The report of the operations of the hospital for the year ending Sept. 30, 1901, is hereby respectfully submitted.

Following this report, as a part of it, is a set of tables of statistics concerning the patients admitted and discharged during the year. For the convenience of those who have not the time to study the tables, a brief analysis is here presented.

MOVEMENT OF POPULATION.

At the beginning of the year there were 590 patients in the hospital; 207 cases were admitted, thus making the whole number under treatment during the year 797; the number of cases discharged was 179, leaving, at the end of the year, 618 cases, — the largest number on any one day ever cared for by the hospital. The daily average number was 602; this is 26 larger than last year's daily average, and is to be accounted for by the large number of unfavorable cases admitted, so that fewer cases were discharged than admitted. As a matter of fact, 18 cases were tried at home, and, being found not suitable for full discharge from the hospital, were returned. While the daily average of cases was much larger than ever before, the number of cases who had never before been in an insane hospital was smaller than the average of such cases for the past six years. Since 1895 the annual average of new cases has been 157; this year the number admitted was 145.

The daily average number supported by friends was 80; by cities and towns, 421; by the State, 100.

ADMISSIONS.

Of the number admitted, only 41 per cent. were born in Massachusetts, 33 per cent. were of foreign birth and 58 per cent. were of foreign parentage.

A study of the causes of insanity in the cases admitted shows how unfavorable for recovery many of them were; 25 cases were congenital; intemperance was the probable cause in 38 cases and was a contributing cause in at least 9 other cases; heredity was the only assignable cause in 8 cases, but in 40 cases there was an heredity tendency, and no doubt this number would be placed higher if more complete knowledge in all cases could have been obtained; senility was the cause in 23 cases.

The number of senile cases admitted this year is considerably smaller than last, but the number of old people in the house remains about the same as last year.

DISCHARGES.

The ratio of recoveries has not been large, because of the unfavorable character of the cases admitted.

Thirty-nine of the discharges were considered as recovered, though some of this number are likely to have a recurrence of insanity if they become subjected again to the same influences that caused the first attack. The number of recoveries would have been larger, but several were allowed to go to their homes before we could pronounce them fully recovered, though in many cases they were considered and reported by their friends to be as well as ever, and able to resume their accustomed places in the home life and to contribute to the support of themselves and their families.

Twenty-five cases were discharged as much improved, 28 as improved and 33 as not improved.

Fifty of the patients died during the year — 8.3 per cent. of the daily average number under treatment. This proportion is smaller than in the years 1899 and 1900, and about the same as in the years 1896, 1897 and 1898, but larger than our usual average up to 1896. In the fifteen years preceding 1896 the average annual rate was 6.4. The rapid increase in the number of old people admitted to the hospital in the last six years accounts for this large death rate, which is not likely to be much smaller for a year or two to come. There are at present 143 patients in the hospital over sixty years of age, of whom 40 are over seventy, 14 being over eighty years old. Many of them will remain here as long as they live. Fifty-two patients have been here from twenty to forty-three years.

More than one-half of the deaths were of people of old age, 18 of them being over seventy years old. Ten of these old people died within a period of less than four months of their admission. Some of these were in such condition that they could not have been kept at home and were made more comfortable here, but some of them could have been cared for by their friends. To remove an old person from home and accustomed surrounding to an unfamiliar place among strangers makes a profound impression, and the depression that is apt to follow hastens the end. It seems a pity that in some of the cases, at least, a little more patience and forbearance might not be exercised by relatives and friends. Several cases were brought here who died within a few days, who might have been cared for at home. One case was admitted in a dying condition, and lived only two hours.

GENERAL HEALTH.

Compared with the years 1899 and 1900, there was but little sickness, but many of the cases have required care in bed. All feeble cases and all acute cases laboring under any degree of excitement on admission are given rest in bed a great part of each day.

There were a number of cases of malaria, but many fewer than the year before. Fine screens were fitted to all the windows to keep out flies and mosquitoes, and to this is attributed the above result.

There were four cases of typhoid fever, three of them mild. It was not possible to trace the origin.

In February, 1901, an outbreak of diphtheria occurred, the first case being the girl having charge of the superintendent's dining room, a culture from her throat showing positive evidence of the disease on February 3. On February 8 the superintendent's baby was taken sick, and a positive culture was obtained. On the 11th one of the male attendants and one of the domestics in the centre building showed evidences of the disease. Others followed these, till 15 in all showed positive cultures. Of these only one was a patient. In each case, as soon as discovered, antitoxin was given in 1,000 unit doses, and all who were known to have been exposed were isolated. Only the first two cases were seriously sick, none of the others

needing to be kept in bed. As soon as the disease appeared to be spreading, all the employees who came in contact with patients were given immunizing doses of antitoxin, and every second or third day cultures were taken from their throats. Sixty-two persons received antitoxin in one or more doses, and 208 cultures were made. All cases showing positive cultures were isolated till three negative cultures on successive days were obtained. One nurse was isolated thirty-four days and another twenty-eight days, the others for a much shorter time.

To Dr. H. C. Emerson of the Springfield board of health and to Dr. T. S. Bacon of Springfield we are indebted for repeated visits to the hospital for consultation and assistance, and also to the State Board of Health for their generous response to our request for antitoxin. They kept us well supplied during the course of the trouble.

MEDICAL TREATMENT.

There has been no marked departure from the usual course of treatment of the insane. In general, the removal of causes so far as possible, rest and the upbuilding of the physical condition, employment and diversion, are the means in use. As in two or three years past, we have made extensive use of the wet pack, with uniformly gratifying results. We have used it in 95 cases in the past year, each case being in the pack from one and one-half to two and one-half hours each day for varying periods, averaging several weeks. The packs promote quiet and improve nutrition, and often induce sleep in cases troubled with insomnia. A few of the patients dislike them, but the majority appreciate the benefit derived, and ask to have them administered.

In addition to the routine clinical work, much laboratory work has been done by the medical staff. Routine examinations and analyses have been made as usual. Two hundred and eight cultures to determine the presence or absence of diphtheria have been made, 27 for typhoid fever and 15 for malaria. Chemical and microscopical analyses of the contents of the stomach following test meals have been made when occasion required. We regard this measure of value in patients who persistently refuse to eat. Delusions of poisoning often originate in improper performance of their functions by the

digestive organs; it is found that correction of the latter condition is followed by disappearance of the delusion.

Nine autopsies were made during the year. These are of great value, and it is a source of regret that friends so often withhold permission to make them.

TRAINING SCHOOL.

Work in the training school has been uninterrupted through the year. From the first of October the senior class of 12 nurses had lessons once a week from Dr. Wise's text book, and the junior class of 5 members had lessons weekly from the Weeks'-Shaw text book. The term closed June 1, two weeks' rest being had during the Christmas holidays. The instructor in gymnastics conducted three classes in massage. During the winter and spring the members of the medical staff lectured once a week to the classes. The written examinations were very satisfactory in results, the answers showing excellent understanding of the subjects. The marking was high, only one falling below 80. Mrs. Glidden, the superintendent of nurses, reports an increasing interest in lessons and lectures.

In addition to the above work by the nurses, there were two classes of physical culture during the winter, conducted by Miss Johnson, which were of much benefit to the pupils.

RELIGIOUS SERVICES, ENTERTAINMENTS, ETC.

Religious services were held every Lord's day, one of the clergymen in town or in this vicinity kindly officiating, to whom we hereby extend our thanks and acknowledge our appreciation of their kindness. In addition to the weekly dances, there have been regular readings, with music, every week, and the following entertainments: Mr. Martin, legerdemain, October 4; Mrs. Goodnow, lecture about Anglo-Boer difficulty, October 5; harvest festival, October 9; whist party, October 17; Hallowe'en party in pavilion, October 31; Miss Holmes, elocutionist, November 5; whist party, November 9; Mr. Kyes, chalk talk, November 13; Mr. Coles, ventriloquist, December 11; Christmas tree, December 25; whist party, December 31; Miss Eastman, with Mt. Holyoke College Glee Club, March 15; Mr. Bryant, ventriloquist, March 19; "living pictures," March 29; Mr. Reynolds, elocutionist, April 3;

stereopticon lecture, Dr. Hanson, April 8; concert, Northampton male quartette, April 15; stereopticon, Miss Crow, April 22; whist party, April 29; stereopticon lecture, Dr. Houston, May 2; entertainment by the south wing nurses, September 30.

In October the patients had a farm festival in the pavilion, where were shown samples of all products of the farm. One table, extending across the end of the room, was filled with pieces of fancy work and other kinds of handiwork by the woman patients. The exhibition, which was open to the public, was visited by many of the friends of patients and by the townspeople.

On Hallowe'en a party was held in the pavilion, which was much enjoyed because of its novelty and from the greater liberty allowed the patients. Frequently during the winter assemblies were held, at which the patients from each side of the house were allowed to associate freely, much to their pleasure.

On election day the men conducted an election, each one who cared to do so voting for his choice for president. On some of the wards much interest was excited. The result accorded with the general result in the country at large.

On Christmas Eve two trees in the chapel were decorated with colored ornaments, all lighted by colored electric lights and hung with presents. Each patient in the hospital had at least one present, besides an orange and a bag of candy. The friends of patients responded freely to our invitation to send gifts. Several merchants in town and some of the friends of the hospital from out of town kindly sent gifts. To those who had no friends the hospital furnished gifts. Although it entailed much labor on those having the affair in charge, it was so greatly appreciated by the inmates that it will probably be repeated this year.

ACKNOWLEDGMENTS.

There are several friends to whom we are indebted year after year for their kindness in remembering the unfortunates here. Mr. S. E. Bridgman of Northampton, Mrs. Knowlton of Athol, Miss Gorham of Northampton and Miss Austin of Peterboro, N. H., for papers and magazines. Miss Austin has also subscribed for a copy of "Harper's Weekly" for the hospital. The publishers of the "New England Zeitung," the "Christian Register" and the "Berkshire County Eagle" have sent regular

copies of their welcome papers. We are glad to get these papers, and wish other editors, if they have spare copies of their publications, would favor us. We thank Miss Jessie Orr of Adams for money and for a box of oranges for the Christmas tree. For the same purpose the Misses Eastman of South Hadley sent candy and fruit, Mr. Theodore L. Beardsley a box of oranges, Mrs. Putnam of Northampton candy and pop corn, Miss Foot of Springfield and Mr. Copeland of Northampton trimmings for the tree and presents. To all these we extend our hearty thanks.

JOHN A. HOUSTON.

DIETARY OF THE NORTHAMPTON INSANE HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons, and the second to those of somewhat over three hundred. In addition to these, about sixty quarts of egg and milk are taken through the wards between meals and at bed time, and distributed to the old, the feeble and the convalescent classes.]

BILL OF FARE No. 1.

BREAKFAST.

- Monday.* — Tea, oatmeal, coffee, broiled beefsteak or eggs, potatoes, warm rolls ("biscuit"), bread and butter.
- Tuesday.* — Tea, coffee, oatmeal, fried tripe,* potatoes, warm rolls, bread and butter.
- Wednesday.* — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes and warm brown (rye and Indian) bread.
- Thursday.* — Tea, coffee, oatmeal, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, oatmeal, fried tripe,* potatoes, warm rolls, bread and butter.
- Saturday.* — Tea, coffee, oatmeal, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, oatmeal, eggs, potatoes, warm rolls, bread and butter and fried Indian corn pudding.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable,† bread and butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal,‡ potatoes and one other vegetable,† bread and butter, and baked Indian pudding.
- Wednesday.* — Either fried or baked fresh fish or boiled mutton, potatoes and one other vegetable,† bread and butter, and berry or apple pudding, with sauce.§
- Thursday.* — Vegetable soup, corned beef, potatoes, and one other vegetable,† bread and butter, and boiled suet pudding with syrup.

* Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

† At least three vegetables during the summer.

‡ Substituted in winter by fresh pork ribs, roasted.

§ In spring, maple syrup is used as sauce for puddings.

- Friday.* — Either boiled or roasted mutton * or stewed or roasted veal, potatoes and one other vegetable,† bread and butter, and tapioca pudding or raisin pudding of either rice, bread or cracker.
- Saturday.* — Baked beans, corned beef, potatoes and one other vegetable,‡ pickles, bread and butter, and baked bread pudding.
- Sunday.* — Stewed mutton, potatoes, warmed baked beans, pickles, bread and butter, and pies, the kind varying with the season.

SUPPER.

- Monday.* — Tea and bread, warm corn cake and butter, hard gingerbread and a relish.‡
- Tuesday.* — Tea, white bread, graham bread and butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.
- Wednesday.* — Tea, bread and butter, pie (the kind varying with the season) and ginger snaps and a relish.
- Thursday.* — Tea, bread and butter, cookies and cheese.
- Friday.* — Tea, bread and butter, cake (the kind varying) and a relish.
- Saturday.* — Tea, bread and butter, doughnuts and cheese.
- Sunday.* — Tea, bread and butter, cookies and ginger snaps and blanc-mange or corn starch.
- Extra.* — In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

- Monday.* — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.
- Tuesday.* — Coffee, oatmeal, coal roast beef, potatoes, and bread and butter.
- Wednesday.* — Coffee, oatmeal, meat stew or boiled eggs, potatoes and warm rye and Indian corn brown bread and butter.
- Thursday.* — Coffee, oatmeal, pickled codfish cooked in milk, potatoes, and bread and butter.
- Friday.* — Coffee, oatmeal, cold corned beef or meat stew, potatoes, and bread and butter.
- Saturday.* — Coffee, oatmeal, hash, either of meat or fish, and bread and butter.
- Sunday.* — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable,‡ boiled hominy with molasses and bread.

* Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

† At least three vegetables during the summer.

‡ This term, used for the want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruits, all of which are supplied, and each according to the season.

Tuesday. — Vegetable soup, potatoes and one other vegetable,* baked Indian pudding † and bread.

Wednesday. — Boiled fresh fish with drawn-butter sauce, potatoes and one other vegetable,* boiled hasty pudding with molasses and bread.

Thursday. — Vegetable soup, potatoes, cabbage or some other vegetable,* boiled rice with molasses ‡ and bread.

Friday. — Boiled codfish with drawn-butter sauce, potatoes, beets or some other vegetable, boiled hasty pudding with molasses and bread.

Saturday. — Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday. — Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday. — Tea, bread and butter, and hard gingerbread.

Tuesday. — Tea, bread and butter, and soft gingerbread.

Wednesday. — Tea, bread and butter, cake or gingersnaps, and some kind of relish.

Thursday. — Tea, bread and butter, and cookies.

Friday. — Tea, bread and butter, and soft gingerbread.

Saturday. — Tea, bread and butter, cake or gingersnaps, sauce.

Sunday. — Tea, bread and butter, and cookies.

EXTRAS.

In the winter and spring months, hulled corn at supper on Saturdays.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In eight halls, sauce of either fresh or dried apples is furnished four times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five bushels of green sweet corn in the ear is consumed in its season, daily, with the exception of Sunday.

Strawberries, tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horse-radish as a condiment.

During eight months of the year, apples are distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast, milk toast, toast with dropped egg and boiled eggs, for invalids and all who are not able to take the regular fare.

* At least three vegetables in the summer.

† All baked puddings for the whole household are made with milk.

‡ Maple syrup is furnished, in place of molasses, three or four times in the spring.

STATISTICAL TABLES.



STATISTICAL TABLES.

1. — General Statistics of the Year.

	Males.	Females.	Totals.
Patients in the hospital Oct. 1, 1900,	312	278	590
Admitted within the year,	109	97	206
Returned from visit,	1	—	1
Whole number of cases within the year,	422	375	797
Viz.: insane,	110	97	207
not insane,	—	1	1
Discharged within the year,	96	80	176
Viz.: as recovered at the time of leaving the hospital,	21	18	39
as much improved,	18	7	25
as improved,	15	13	28
as not improved,	15	18	33
not insane,	—	1	1
Eloped,	3	—	3
Deaths,	27	23	50
Patients remaining Sept. 30, 1901,	323	295	618
Viz.: supported as State patients,	58	49	107
town patients,	224	203	427
private patients,	41	43	84
Number of different persons within the year,	420	374	794
Persons admitted,	107	96	203
Persons recovered,	21	18	39
Daily average number of patients,	315.57	286.40	601.97
Viz.: State,	59.56	40.72	100.28
town,	217.26	204.12	421.38
private,	38.75	41.56	80.31

2. — *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1900.												
October, . . .	13	8	21	7	6	13	1	1	2	313.09	277.51	590.61
November, . . .	4	9	13	9	2	11	2	2	4	311.70	279.33	591.03
December, . . .	13	4	17	2	2	4	6	2	8	311.22	283.87	595.09
1901.												
January, . . .	14	10	24	6	4	10	1	2	3	316.58	285.00	601.58
February, . . .	4	5	9	2	1	3	3	4	7	322.28	287.96	610.25
March, . . .	7	8	15	9	6	15	2	1	3	319.12	288.35	607.48
April, . . .	11	10	21	9	5	14	3	1	4	314.40	294.26	608.66
May, . . .	6	5	11	9	6	9	3	2	5	318.61	290.83	609.45
June, . . .	7	9	16	8	7	15	1	2	3	316.20	288.40	604.60
July, . . .	7	8	15	5	11	16	2	2	4	313.45	285.64	599.09
August, . . .	9	8	17	8	2	10	3	3	6	312.97	285.80	598.77
September, . . .	14	13	27	4	5	9	-	1	1	317.20	289.86	607.06
Total of cases, . . .	109	97	206	72	57	129	27	23	50	-	-	-
Total of persons, . . .	107	96	203	72	57	129	-	-	-	-	-	-
Daily average, . . .	-	-	-	-	-	-	-	-	-	315.57	286.40	601.97

3. — *Received on First and Subsequent Admissions.*

NUMBER OF ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	87	77	164	—	—	—
Second,	15	10	25	4	3	7
Third,	4	8	12	4	4	8
Fourth,	1	1	2	1	1	2
Sixth,	1	1	2	1	1	2
Ninth,	1	—	1	1	—	1
Total of cases, . . .	109	97	206	11	9	20
Total of persons, . .	107	96	203	—	—	—

4. — *Relations to Hospitals of Persons admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane, . . .	76	69	145
Former inmates of this hospital only, . . .	22	17	39
of other hospitals only, . . .	11	8	19
of this and other hospitals, . . .	—	3	3
Total of cases,	109	97	206
Total of persons,	107	96	203

5. — *Residence of Persons admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	19	20	39
Hampden County,	54	44	98
Berkshire County,	22	25	47
Franklin County,	11	7	18
Suffolk County,	1	—	1
Totals,	107	96	203
Cities or towns,	81	76	157
Country districts,	26	20	46
Totals,	107	96	203

6. — *Nativity and Parentage of Persons admitted.*

PLACES OF NATIVITY.	PATIENTS.			PARENTS.					
				MALES.		FEMALES.		TOTALS.	
	Ma.	Fe.	Tot.	Fa.	Mo.	Fa.	Mo.	Fa.	Mo.
Massachusetts, .	50	35	85	29	27	19	21	48	48
Other States, . .	18	22	40	17	16	20	19	37	35
Total native, .	68	57	125	46	43	39	40	85	83
Austria,	1	1	2	1	1	1	1	2	2
Bohemia,	—	1	1	—	—	1	1	1	1
Canada,	6	11	17	4	7	12	13	16	20
Denmark,	—	—	—	—	—	—	1	—	1
England,	3	4	7	3	2	3	4	6	6
France,	—	—	—	1	1	—	—	1	1
Germany,	4	5	9	5	5	7	5	12	10
Ireland,	12	15	27	33	34	29	27	62	61
Italy,	3	—	3	3	3	—	—	3	3
Poland,	4	—	4	3	3	—	—	3	3
Russia,	2	1	3	3	3	1	1	4	4
Scotland,	4	—	4	4	4	—	—	4	4
Sweden,	—	1	1	—	—	1	1	1	1
Wales,	—	—	—	1	1	—	—	1	1
Total foreign, .	39	39	78	61	64	55	54	116	118
Unknown,	—	—	—	—	—	2	2	2	2
Totals,	107	96	203	107	107	96	96	203	203

7. — *Civil Condition of Persons admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . .	48	37	85	34	25	59	5	15	20	—	—	—	87	77	164
Second, . . .	9	4	13	6	5	11	—	1	1	—	—	—	15	10	25
Third, . . .	3	2	5	1	6	7	—	—	—	—	—	—	4	8	12
Fourth, . . .	1	—	1	—	1	1	—	—	—	—	—	—	1	1	2
Sixth, . . .	—	—	—	1	1	2	—	—	—	—	—	—	1	1	2
Ninth, . . .	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Total of cases, . . .	62	42	104	42	38	80	5	16	21	—	—	—	109	97	206
Total of persons, . . .	62	42	104	40	37	77	5	16	21	—	—	—	107	96	203

8.—Probable Causes of Disease in Persons admitted.

CAUSES.	PATIENTS ADMITTED.			PREDISPOSING CAUSES.											
				PREVIOUS ATTACKS.			HEREDITARY TENDENCY.			NEUROTIC TENDENCY.			INTEMPERANCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A.—INSANE:—															
Physical:—															
Adolescence, . . .	—	1	1	—	—	—	—	1	1	—	1	1	—	—	—
Cerebral hemorrhage, . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Chorea, . . .	—	1	1	—	—	—	—	—	—	—	1	1	—	—	—
Dissipation, . . .	—	2	2	—	—	—	—	1	1	—	1	1	—	2	2
Drug habit, . . .	2	—	2	—	—	—	—	—	—	2	—	2	2	—	2
Heredity, . . .	2	6	8	—	2	2	2	6	8	2	6	8	—	—	—
Injury to head, . . .	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—
Intemperance, . . .	28	10	38	7	1	8	3	—	3	8	3	11	28	10	38
Influenza, . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Masturbation, . . .	19	7	26	3	—	3	4	—	4	4	2	6	4	—	4

9. — Occupation of Persons admitted.

MALES.

Brakemen,	2	Night watchman,	1
Blacksmith,	1	Nickel plater,	1
Carpenters,	2	No occupation,	7
Clerks,	4	Operatives,	8
Farmers,	17	Physicians,	3
Firemen,	1	Painters,	2
Hotel keeper,	1	Paper maker,	1
Laborers,	34	Peddler,	1
Moulder,	1	Shoemaker,	1
Mechanics,	2	Salesmen,	2
Merchants,	4	Stone masons,	2
Musician,	1	Teamsters,	2
Machinists,	5	Wood worker,	1

FEMALES.

Assistant to photographer, .	1	Missionary,	1
Clerks,	3	Nurse,	1
Domestics,	17	No occupation,	16
Dressmakers,	3	Operatives,	6
Housewives,	3	Stenographer,	1
Housekeepers,	4	Teachers,	3
Milliner,	1	Waitress,	1
Music teachers,	2		

9. — *Occupation of Persons admitted — Concluded.*

WIFE OF —			
Carpenter,	2	Policeman,	1
Farmer,	6	Porter,	1
Gardener,	1	Peddler,	1
Laborer,	6	Shoemaker,	2
Merchant,	1	Saloon keeper,	1
Machinist,	1	Tailor,	1
Operative,	8	Teamster,	1

10. — *Record of Cases admitted within the Year.*

PATIENTS.	Males.	Females.	Totals.
Admitted,	109	97	206
Insane,	109	96	205
Not insane,	—	1	1
Discharged recovered,	15	8	23
much improved,	4	3	7
improved,	6	4	10
not improved,	11	6	17
not insane,	—	1	1
Eloped,	3	—	3
Died,	7	7	14
Remaining Sept. 30, 1901,	63	68	131
Number likely to recover or improve,	13	12	25

11. — *Ages of Insane at First Attack, Admission and Death.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.						PERSONS DIED.					
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	8	7	15	-	-	-	1	2	3	-	-	-
15 years and less,	1	-	1	-	-	-	-	-	-	-	-	-
From 15 to 20 years, . . .	4	4	8	3	3	6	-	1	1	-	-	-
20 to 25 years,	8	4	12	7	5	12	1	-	1	1	1	2
25 to 30 years,	9	8	17	11	12	23	3	2	5	1	1	2
30 to 35 years,	8	8	16	15	6	21	4	3	7	3	2	5
35 to 40 years,	9	5	14	7	6	13	2	-	2	-	1	1
40 to 50 years,	12	11	23	14	14	28	1	2	3	4	3	7
50 to 60 years,	5	12	17	6	8	14	3	6	9	3	5	8
60 to 70 years,	4	6	10	6	12	18	2	2	4	3	3	6
70 to 80 years,	5	2	7	4	1	5	6	3	9	7	5	12
Over 80 years,	2	1	3	3	2	5	1	1	2	4	2	6
Unknown,	1	1	2	-	-	-	3	1	4	1	-	1
Total of persons,	76	69	145	76	69	145	27	23	50	27	23	50
Mean ages,	40	42	41	42	44	43	48	48	48	58	57	57

12. — *Reported Duration of Disease before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	8	7	15	6	3	9	14	10	24
Under 1 month,	17	8	25	5	6	11	22	14	36
From 1 to 3 months,	13	14	27	7	4	11	20	18	38
3 to 6 months,	3	4	7	-	-	-	3	4	7
6 to 12 months,	4	5	9	-	1	1	4	6	10
1 to 2 years,	11	4	15	4	2	6	15	6	21
2 to 5 years,	12	19	31	8	3	11	20	22	42
5 to 10 years,	5	5	10	2	1	3	7	6	13
10 to 20 years,	1	3	4	1	7	8	2	10	12
Over 20 years,	1	-	1	-	1	1	1	1	2
Unknown,	1	-	1	-	-	-	1	-	1
Total of cases,	76	69	145	33	28	61	109	97	206
Total of persons,	-	-	-	-	-	-	107	96	203
Average in years,	1.88	2.25	2.03	2.07	5.64	3.75	1.93	3.12	2.50

13. — *Form of Mental Disease in Cases admitted or discharged, with Condition on Discharge.*

FORM OF DISEASE.	CASES ADMITTED.			CASES DISCHARGED.						CASES DISCHARGED.						AGGREGATE.		
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			DIED.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Insane :—																		
Mania, acute, . . .	3	6	9													3	9	12
chronic, . . .	10	7	17													14	10	24
recurrent, . . .	6	6	12	3	1	4	3	4	7	1	1	2	3	2	5	4	6	10
puerperal, . . .	—	6	6	—	1	1	—	1	1	—	—	—	—	—	—	—	1	1
Acute delirium from chorea, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute delirium from mor- phine and cocaine, . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute delirium from mor- phine and alcohol, . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute delirium from mor- phine and influenza, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Melancholia, acute, . . .	10	11	21	1	5	6	1	2	3	3	2	5	2	1	3	1	5	6
chronic, . . .	9	11	20	—	—	—	7	1	8	2	3	5	—	—	—	10	10	20
recurrent, . . .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2
Circular insanity, . . .	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Acute alcoholic insanity, . . .	7	7	14	10	1	11	1	1	2	1	1	2	—	—	—	12	1	13
Toxic insanity, . . .	6	2	8	1	—	1	—	—	—	1	—	1	—	—	—	3	2	5
Paranoia, . . .	9	4	13	—	—	—	—	—	—	2	1	3	2	1	3	5	2	7
Dementia, . . .	6	18	24	—	—	—	—	—	—	—	—	—	—	—	—	12	10	22
Senile dementia, . . .	12	10	22	—	—	—	—	—	—	—	—	—	—	—	—	12	10	22
Post paralytic dementia, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	2	1	3
Epilepsy, . . .	8	3	11	—	—	—	2	1	3	—	—	—	1	1	2	4	1	5
Farses, . . .	6	—	6	—	—	—	1	—	1	—	—	—	2	—	2	9	—	9
Congenital mental defi- ciency, . . .	12	8	20	—	—	—	1	—	1	3	1	4	1	4	5	7	6	13
Idiocy, . . .	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Uramic coma, . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Not insane :—																		
Opium habit, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Totals, . . .	109	97	206	21	18	39	19	7	26	15	13	28	17	18	35	99	80	179

14.—Discharges, classified by Admission and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			ELOPED.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	18	16	34	14	7	21	12	10	22	12	12	24	1	1	2	3	—	3	20	16	36	79	61	140
Second,	—	1	1	4	—	4	1	1	2	2	6	8	—	—	—	—	—	—	3	6	9	10	14	24
Third,	1	—	1	—	—	—	2	2	4	1	—	1	—	—	—	—	—	—	2	1	3	6	3	9
Fourth,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2	2	—	2
Fifth,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	1	—	1
Sixth,	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2
Total of cases,	21	18	39	18	7	25	15	13	28	15	18	33	1	1	2	3	—	3	27	23	50	99	79	178
Total of persons,	21	18	39	18	7	25	15	13	28	15	18	33	—	1	1	3	—	3	27	23	50	99	79	178

15. — Causes of Death.

	Males.	Females.	Totals.
Apoplexy,	3	4	7
Chronic endocarditis,	2	1	3
Diabetes mellitus,	—	1	1
Embolic pneumonia,	1	—	1
Exhaustion from acute delirium,	—	1	1
Fatty degeneration of heart,	—	1	1
Influenza and senility,	—	2	2
Influenza and pneumonia,	—	1	1
Nephritis,	1	—	1
Organic dementia,	—	1	1
Paresis,	6	—	6
Pulmonary tuberculosis,	1	4	5
Pulmonary hæmorrhage,	—	1	1
Rheumatoid arthritis,	1	—	1
Septicæmia,	—	1	1
Secondary effects of burn,	1	—	1
Senility,	11	4	15
Typhoid fever,	—	1	1

16. — Recoveries, classified by Duration of Disease and of Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month, . . .	16	9	25	—	—	—	—	—	—	—	—	—
From 1 to 3 months, . . .	2	4	6	2	2	4	2	2	3	2	4	6
3 to 6 months, . . .	1	1	2	13	4	17	10	3	13	12	4	16
6 to 12 months, . . .	—	3	3	6	7	13	7	8	15	5	5	10
1 to 2 years, . . .	2	—	2	—	1	1	2	3	5	4	2	6
2 to 5 years, . . .	—	1	1	—	1	1	—	—	1	—	1	2
5 to 10 years, . . .	—	—	—	—	—	—	—	1	—	—	1	1
10 to 20 years, . . .	—	—	—	—	1	1	—	1	1	—	1	1
Totals, . . .	21	18	39	21	18	39	21	18	39	21	18	39
Average of known cases (in months),	1.62	3.22	2.36	4.76	8.76	6.55	6.37	11.94	8.97	2.09	3.94	2.95
										7.95	10.00	8.87

17. — Deaths, classified by Duration of Disease and Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month,	1	2	3	4	1	5	1	1	2	1	1	2
From 1 to 3 months,	3	1	4	3	3	6	—	—	—	4	3	7
3 to 6 months,	3	1	4	5	3	8	2	—	2	5	2	7
6 to 12 months,	—	—	—	2	1	3	3	—	3	2	1	3
1 to 2 years,	5	4	9	5	7	12	3	2	5	5	3	8
2 to 5 years,	6	7	15	1	4	5	7	6	13	8	3	11
5 to 10 years,	1	3	4	3	4	7	2	8	10	2	5	7
10 to 20 years,	2	2	4	2	—	2	2	1	3	1	—	1
Over 20 years,	4	3	7	2	—	2	7	5	12	8	—	8
Totals,	27	23	50	27	23	50	27	23	50	27	23	50
Average of known cases (in months),	65.73	106.34	82.75	49.48	29.52	40.30	112.70	135.43	123.40	65.34	106.00	84.63
										73.11	32.00	54.20

[illegible]

18. — *Annual Admissions, etc.* — *Concluded.*

[illegible]

1878,	21	9	12	21	-	3	2	5	4	-	4	4	3	7	2	6	8	7	6	13	323	295	618
1879,	23	14	9	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1880,	20	9	11	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1881,	26	9	17	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1882,	10	12	10	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1883,	30	13	17	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1884,	41	24	17	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1885,	37	13	24	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886,	47	22	25	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1887,	29	14	15	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1888,	44	25	19	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1889,	42	20	22	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1890,	36	16	20	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1891,	23	10	13	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1892,	37	20	17	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1893,	40	16	24	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1894,	35	17	18	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1895,	32	19	13	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1896,	41	20	21	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1897,	35	19	16	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1898,	55	28	27	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1899,	44	17	27	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1900,	50	23	27	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1901,	42	22	20	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals, . . .	-	-	-	-	-	3	2	5	4	-	4	4	3	7	2	6	8	7	6	13	323	295	618

19. — Relapsed Cases admitted in Each Year and discharged in 1900-1901.

YEARS ENDING SEPT. 30.	CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.																
	ADMITTED.			DISCHARGED AND DIED IN 1900-1901.													
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			DIED.	
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.		
1858—2 months, .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1859, .	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1860, .	5	—	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1861, .	8	7	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1862, .	6	2	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1863, .	5	8	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1864, .	6	10	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1865, .	8	4	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1866, .	4	3	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1867, .	11	6	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1868, .	8	7	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1869, .	6	9	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1870, .	5	4	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1871, .	5	6	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1872, .	6	8	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1873, .	6	5	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1874, .	7	8	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1875, .	2	5	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1876, .	5	6	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1877, .	7	8	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[illegible]

20. — Operations of the Hospital, from the Beginning, in Each Year.

	DISCHARGED AND DIED.												Whole Number of Cases in the Year.	Number of Patients at end of the Year.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.					NOT INSANE.			DIED.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			Males.	Females.	Totals.	Males.	Females.	Totals.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
1858,—2 months,	99	129	228	—	—	—	—	—	—	4	—	4	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

1877-78,	40	36	76	7	19	26	-	-	17	27	44	16	13	29	-	-	14	9	23	551	429	
1878-79,	63	43	103	13	13	26	-	-	15	13	28	11	3	14	1	1	14	9	23	535	442	
1879-80,	59	58	117	16	12	28	5	7	12	11	23	9	10	19	2	-	17	12	29	559	446	
1880-81,	57	66	123	7	13	20	6	7	13	15	30	6	10	16	1	-	16	10	26	569	463	
1881-82,	62	62	124	13	15	28	4	9	13	7	14	21	14	27	-	1	24	14	38	587	459	
1882-83,	73	69	142	11	17	28	9	-	9	18	15	33	21	35	1	1	17	13	30	606	469	
1883-84,	61	75	136	9	16	25	6	11	17	16	19	35	16	20	36	3	4	12	13	25	605	463
1884-85,	66	70	136	17	12	29	4	5	9	12	17	29	10	16	26	1	3	16	11	27	599	476
1885-86,	85	98	183	10	19	29	8	2	10	23	36	59	20	23	43	1	-	14	12	26	659	491
1886-87,	72	76	148	16	8	24	5	3	8	36	31	67	21	16	37	1	2	13	18	31	639	469
1887-88,	87	79	166	23	13	36	3	6	9	25	22	47	12	17	29	2	-	14	17	31	635	481
1888-89,	98	57	155	27	15	42	6	6	12	25	40	65	35	8	43	2	1	18	7	25	636	446
1889-90,	91	79	170	18	14	32	5	9	14	17	17	34	12	5	17	1	2	12	9	21	616	495
1890-91,	82	59	141	29	16	45	7	7	14	27	26	53	18	22	40	-	-	19	12	31	636	453
1891-92,	102	75	177	16	21	37	9	10	19	13	8	21	15	8	23	3	-	29	9	38	630	489
1892-93,	91	78	169	20	11	31	11	15	26	19	18	37	21	22	43	4	-	20	17	37	658	480
1893-94,	89	83	172	20	12	32	7	7	14	11	17	28	14	22	36	1	-	26	11	37	652	504
1894-95,	110	91	201	16	22	38	15	7	22	15	14	29	19	19	38	-	-	18	14	32	705	546
1895-96,	114	95	209	23	13	36	8	6	14	19	20	39	19	41	60	-	1	28	18	46	755	559
1896-97,	96	86	182	16	14	80	12	9	21	17	18	35	48	86	-	2	27	18	45	741	522	
1897-98,	111	102	213	23	17	40	10	9	19	8	10	18	21	22	43	2	1	32	17	49	735	563
1898-99,	115	105	220	32	24	56	7	14	21	13	8	21	23	17	40	2	1	26	26	52	783	590
1899-1900,	133	110	243	84	24	58	12	24	36	10	8	18	22	22	44	1	-	37	49	86	833	590
1900-1901,	109	97	206	21	18	39	19	7	26	15	13	28	17	18	35	-	1	27	23	50	797	618

21. — *Classified Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65,	225.10	48.16	69.83	343.25
1865-66,	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67,	261.96	49.46	89.75	401.17
1867-68,	262.65	47.92	103.06	413.63
1868-69,	248.52	54.98	101.46	404.96
1869-70,	236.19	65.04	107.23	408.46
1870-71,	234.10	77.07	118.38	429.55
1871-72,	226.96	89.57	112.27	428.80
1872-73,	248.02	99.23	90.00	437.25
1873-74,	284.48	102.88	82.06	469.42
1874-75,	274.35	128.34	72.46	475.15
1875-76,	259.19	146.02	68.94	474.15
1876-77,	254.84	161.58	60.02	476.44
1877-78,	211.90	175.71	54.75	442.36
1878-79,	200.34	182.29	54.23	436.86
1879-80,	197.03	198.01	54.46	450.50
1880-81,	180.82	214.15	57.19	452.15
1881-82,	166.84	238.25	56.52	461.61
1882-83,	161.62	247.63	57.58	466.83
1883-84,	155.10	251.23	56.06	462.39
1884-85,	154.44	261.58	59.82	475.84
1885-86,	140.23	270.52	63.61	474.36
1886-87,	122.78	289.38	66.00	478.16
1887-88,	112.17	294.01	64.01	470.19
1888-89,	104.67	303.01	61.31	468.99
1889-90,	96.86	311.17	62.07	470.10
<i>Daily Average.</i>				
1890-91,	90.71	297.78	68.51	457.00
1891-92,	85.64	309.42	74.03	469.09
1892-93,	75.83	338.72	65.71	480.26
1893-94,	83.50	339.83	70.68	494.11
1894-95,	80.87	376.02	69.67	526.56
1895-96,	81.57	403.15	75.77	560.49
1896-97,	64.32	398.65	81.54	544.51
1897-98,	63.34	391.66	91.16	546.16
1898-99,	72.15	403.24	87.93	563.32
1899-1900,	85.87	410.39	80.07	576.33
1900-1901,	100.27	421.38	80.32	601.97

22.— *Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1901.*

OFFICIAL YEAR.	Whole No. of Patients.	Daily Average No. of Patients.	DEATHS.			Per Cent. on Whole No of Patients treated.	Per Cent. on Daily Average No. of Patients.
			Men.	Women.	Totals.		
1858-59, . . .	313	229.55	7	12	19	6.07	8.27
1859-60, . . .	398	255.96	9	18	27	6.78	10.54
1860-61, . . .	434	314.26	15	15	30	6.91	9.54
1861-62, . . .	442	313.80	9	10	19	4.29	6.05
1862-63, . . .	470	355.28	19	7	26	5.53	7.31
1863-64, . . .	475	357.63	17	30	47	9.89	13.14
1864-65, . . .	469	342.40	17	24	41	8.76	11.97
1865-66, . . .	488	376.35	18	13	31	6.35	8.23
1866-67, . . .	543	401.03	23	24	47	8.65	11.71
1867-68, . . .	565	413.41	25	17	43	7.61	10.40
1868-69, . . .	590	405.10	13	12	25	4.23	6.17
1869-70, . . .	604	408.83	22	11	33	5.46	8.07
1870-71, . . .	616	421.90	16	12	28	4.54	6.64
1871-72, . . .	619	428.72	19	18	37	5.97	8.63
1872-73, . . .	614	437.23	13	8	21	3.42	4.80
1873-74, . . .	626	469.54	14	11	25	3.99	5.32
1874-75, . . .	629	475.35	23	18	41	6.52	8.62
1875-76, . . .	629	474.21	18	19	37	5.88	7.80
1876-77, . . .	603	476.16	21	21	42	6.96	8.82
1877-78, . . .	551	442.43	14	9	23	4.17	5.19
1878-79, . . .	535	436.73	14	9	23	4.29	5.27
1879-80, . . .	559	450.51	17	12	29	5.19	6.44
1880-81, . . .	569	451.79	16	10	26	4.57	5.75
1881-82, . . .	587	461.66	24	14	38	6.47	8.23
1882-83, . . .	606	466.76	17	13	30	4.95	6.42
1883-84, . . .	605	463.05	12	13	25	4.13	6.29
1884-85, . . .	599	475.94	16	11	27	4.51	5.67
1885-86, . . .	659	474.40	14	12	26	3.94	5.48
1886-87, . . .	639	478.55	13	18	31	4.85	6.47
1887-88, . . .	635	470.25	14	17	31	4.88	6.59
1888-89, . . .	636	469.10	18	7	25	3.93	5.32
1889-90, . . .	616	470.50	12	9	21	3.40	4.46
1890-91, . . .	636	457.00	19	12	31	4.87	6.31
1891-92, . . .	630	469.09	29	9	38	6.03	8.10
1892-93, . . .	658	480.26	20	17	37	5.62	7.70
1893-94, . . .	652	494.11	26	11	37	5.67	7.48
1894-95, . . .	705	526.56	18	14	32	4.53	6.07
1895-96, . . .	755	560.49	28	18	46	6.09	8.21
1896-97, . . .	741	544.51	27	18	45	6.07	8.26
1897-98, . . .	735	546.16	32	17	49	6.66	8.97
1898-99, . . .	783	563.32	26	26	52	6.64	9.23
1899-1900, . .	833	576.33	37	49	86	10.32	14.92
1900-1901, . .	797	601.97	27	23	50	6.27	8.32

23. — List of Articles made in the Sewing-room.

Aprons,	389	Night gowns, long,	57
Bureau covers,	63	Night gowns, short,	93
Bed spreads,	49	Pillow ticks,	33
Canopy,	1	Pillow cases,	1,165
Curtains,	171	Roller towels,	601
Cloth bags,	13	Skirts, *	186
Carriage seat cover,	1	Shirt waists,	13
Carpeting, yards,	30	Shirts,	457
Caps,	395	Sheets,	1,401
Chemises,	241	Suspenders, pairs,	36
Corset covers,	13	Splashers,	2
Dresses,	322	Table cloths,	42
Drawers,	134	Towels,	1,949
Mattress ticks,	125	Articles repaired,	34,252
Napkins,	292		

24. — Upholstery done in the Year.

Hair mattresses made, new material,	53
Hair mattresses made, new ticks,	144
Hair mattresses made, old material,	167
Hair pillows made, new material,	52
Hair pillows made, new ticks,	44
Hair pillows made, old material,	126
Feather pillows made,	24

25. — Amount of Preserving done in Kitchen Department.

Preserves : —		Canned fruit : —	
Rhubarb,	194 quarts.	Tomatoes,	224 gallons.
Strawberries,	170 quarts.	Pickles : —	
Raspberries,	37 quarts.	Cucumbers,	42 gallons.
Pears,	70 quarts.	Mustard,	6 gallons.
Peaches,	35 quarts.	Ripe cucumbers,	6 gallons.
Plums,	50 quarts.	Chow chow,	23 gallons.
Jelly : —		Chili sauce,	6 gallons.
Currant,	78 glasses.		
Rhubarb,	17 glasses.		

26. — Trustees of the Northampton Insane Hospital.

NAMES.	Residence.	When app'ted.	Service ended.	From What Cause.
Charles E. Forbes,* . . .	Northampton, . . .	1856	1857	Term expired.
Lucien C. Boynton,* . . .	Uxbridge, . . .	1856	1858	Term expired.
Eliphalet Trask,* . . .	Springfield, . . .	1856	1875	Term expired.
John C. Russell,* . . .	Great Barrington, . .	1856	1859	Resigned.
Horace Lyman, . . .	Greenfield, . . .	1856	1857	Removed.
Charles Smith,* . . .	Northampton, . . .	1857	1860	Resigned.
Luther V. Bell,* . . .	Somerville, . . .	1857	1859	Resigned.
Zebina L. Raymond,* . .	Greenfield, . . .	1858	1859	Resigned.
Franklin Ripley,* . . .	Greenfield, . . .	1859	1860	Died in office.
Edward Dickinson,* . . .	Amherst, . . .	1859	1864	Resigned.
Walter Laffin,* . . .	Pittsfield, . . .	1859	1866	Term expired.
Silas M. Smith,* . . .	Northampton, . . .	1860	1863	Term expired.
Charles Allen, . . .	Greenfield, . . .	1860	1861	Resigned.
Alfred R. Field,* . . .	Greenfield, . . .	1861	1864	Resigned.
Edward Hitchcock, . . .	Amherst, . . .	1863	1879	Resigned.
Silas M. Smith,* . . .	Northampton, . . .	1864	1887	Died in office.
Edmund H. Sawyer,* . .	Easthampton, . . .	1864	1879	Died in office.
Henry L. Sabin,* . . .	Williamstown, . . .	1866	1876	Term expired.
Adams C. Dean, M.D., . .	Greenfield, . . .	1875	1898	Resigned.
Henry W. Taft, . . .	Pittsfield, . . .	1876	1893	Term expired.
William M. Gaylord, . . .	Northampton, . . .	1879	1883	Term expired.
Lyman D. James, . . .	Williamsburg, . . .	1879	—	Still in office.
Christopher Merritt, . . .	Springfield, . . .	1883	1888	Term expired.
Sarah A. Woodworth, . . .	Chicopee, . . .	1884	—	Still in office.
Sarah M. Butler, . . .	Northampton, . . .	1884	—	Still in office.
John L. Otis,* . . .	Florence, . . .	1887	1890	Resigned.
N. A. Leonard,* . . .	Springfield, . . .	1888	1890	Died in office.
Alvan Barrus, . . .	Goshen, . . .	1890	—	Still in office.
Elisha Morgan, . . .	Springfield, . . .	1890	—	Still in office.
William D. MacInnes, . .	Pittsfield, . . .	1893	—	Still in office.
F. W. Chapin, M.D., . . .	Springfield, . . .	1898	—	Still in office.

* Deceased.

27. — *Officers and Employees.*

[Time employed Sept. 30, 1901.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	12	—	7
Justus G. Hanson, M.D., assistant physician,	3	1	22
Harriet M. Wiley, M.D., assistant physician,	1	7	29
Charles H. Dean, M.D., assistant physician,	1	4	21
Arthur B. Moulton, M.D., assistant physician,	—	7	15
Lewis F. Babbitt, clerk and treasurer,	9	11	18
Walter I. Dodge, engineer,	6	4	29
John Mercier, farmer,	34	2	—
Ida A. Porter, matron,	3	1	29
Robert H. Gallivan, superintendent of nurses,	28	5	12
Clara V. S. Glidden, superintendent of nurses,	1	7	8
Florence Bedell, assistant to superintendent of nurses,	1	9	5
Lucy A. Gilbert, marker of clothing,	33	8	17
George N. Drury, steward,	4	—	—
Mattie G. Jones, secretary to superintendent,	8	10	15
Florence M. Johnson, director of gymnastics,	—	9	9
William J. Moore, assistant steward,	4	11	3
George Baldus, assistant steward,	2	—	25
Herbert W. Root, assistant steward,	2	4	22
George B. Walker, baker,	17	3	17
Herbert E. Walker, assistant baker,	3	6	17
Susan E. Warren, seamstress,	7	6	8
Bessie M. Jones, assistant seamstress,	1	11	7
Charles E. Williams, laundryman,	4	—	29
Edith Lytle, laundress,	1	10	18
Frances M. Patten, laundress,	1	10	21
Mrs J. C. McLaughlin, laundress,	—	4	9
Samuel L. Williams, nurse,	9	3	3
Robert A. Pike, nurse,	3	3	29
Bernard Kilkenny, nurse,	3	1	12
Fred D. Aldrich, nurse,	2	10	13
Henry Bridger, nurse,	2	5	7
John McGrath, watchman,	1	—	21
David P. DeLong, night nurse,	—	9	25
Herbert Wells, nurse,	—	9	17
George Bloom, nurse,	—	6	8
Charles Cox, nurse,	—	4	22
Otis Osman, nurse,	—	4	22
Robert Bloom, nurse,	—	4	19
Samuel Farmer, nurse,	—	4	19
Frank Carpenter, nurse,	—	4	16
Fayette E. Reed, night nurse,	—	4	29
George Farmer, nurse,	—	2	20
Richard McCollum, nurse,	—	2	20
Walter Spear, night nurse,	—	—	29
Charles A. Hocum, nurse,	—	—	17
Hamlin Lincoln, nurse,	—	—	15
Margaret Kennedy, night nurse,	2	4	10
Mary E. Gardner, nurse,	2	3	16
Jennie Hart, nurse,	1	11	9
Hattie O. Reed, nurse,	1	5	25

27. — *Officers and Employees* — Concluded.

NAMES.	Years.	Months.	Days.
Annie Murray, nurse,	—	11	3
Ellen Murray, nurse,	—	11	3
Adella Cox, nurse,	—	10	17
Nellie Adams, night nurse,	—	10	—
Annie Checkley, nurse,	2	7	18
Mamie Casey, nurse,	—	6	5
Jessie Murray, nurse,	—	6	—
Cassie Perham, night nurse,	—	5	21
Fannie Thorndyke, nurse,	—	4	23
May E. Root, nurse,	—	5	16
Mary J. Madden, nurse,	—	1	17
Maud Amsden, night nurse,	—	1	5
Margaret Urquhart, nurse,	—	2	3
Bell C. McFadyen, nurse,	—	—	27
Sophia I. MacDonald, nurse,	—	—	27
Adella Mill, nurse,	—	—	27
Clara Mill, nurse,	—	—	27
Annie Mill, nurse,	—	—	27
Minnie McLaurin, nurse,	—	—	8
Alexandrine M. Grenier, usher,	2	10	14
Edith Metcalf, centre housework,	1	11	17
Emma Braman, centre housework,	—	11	—
Maggie McNamara, centre housework,	1	11	2
Mrs. Lizzie McGowan, employees' dining room,	—	7	15
Harriet Briggs, rear housework,	—	1	23
Martha Moore, cook,	1	3	7
Grace Bidwell, cook,	1	1	29
Julia Mangan, kitchen girl,	2	—	5
Mary Curran, kitchen girl,	1	—	24
Nellie Britt, kitchen girl,	1	—	12
William C. Day, night engineer,	3	11	29
Walter D. Newton, assistant engineer,	1	8	16
Robert W. Soper, assistant engineer,	1	2	18
George W. Thorniley, florist,	8	5	11
Nicholas Reil, gardener,	24	8	8
Henry Mould, gardener,	3	4	10
James Madden, gardener,	25	—	28
Sifroi Belleville, carpenter,	31	3	29
Walter Tower, carpenter,	23	8	—
Alfred Parenteau, painter,	35	1	17
Leon Parenteau, painter,	2	11	29
George W. Braman, mechanic,	12	10	7
Thomas P. Clair, plumber,	3	5	1
David Mercier, coachman,	24	7	13
Henry M. Wilson, assistant farmer,	22	5	7
Patrick Egan, farm laborer,	9	—	7
Xavier Dion, farm laborer,	8	3	16
Charles W. Ulrich, farm laborer,	4	5	7
B. McNamara, farm laborer,	3	5	8
Prudent Nichole, farm laborer,	1	11	—
Benjamin W. Reed, farm laborer,	1	11	—
Henry Fuller, farm laborer,	1	7	2
Nikolas Krajnyak, farm laborer,	—	6	—
Clifford Lilly, farm laborer,	—	3	14

28. — *List of Persons regularly employed at the Northampton Insane Hospital, Sept. 30, 1901.*

Superintendent and physician,	per year, \$2,800 00
Assistant physician,	" 1,200 00
Female physician,	" 800 00
Assistant physician,	" 600 00
Assistant physician,	" 600 00
Treasurer and clerk,	" 1,800 00
Engineer, house rent and partial board,	" 1,100 00
Farmer,	" 780 00
Superintendent of nurses (2),	per month, 50 00
Matron,	" 37 50
Secretary to the superintendent,	" 33 00
Director of gymnastics,	" 33 33
Seamstress,	" 25 00
Assistant seamstress,	" 18 00
Laundryman, with board,	" 40 00
Laundresses (2),	" 18 00
Laundress,	" 15 00
Baker,	" 50 00
Assistant baker,	" 35 00
Steward, with partial board,	" 60 00
Assistant steward, with partial board,	" 40 00
Assistant steward,	" 47 50
Assistant steward,	" 30 00
Nurse (male),	" 35 00
Nurses (male, 4),	" 30 00
Nurses (male, 4),	" 25 00
Nurses (male, 6),	" 23 00
Nurses (male, 4),	" 21 00
Female supervisor,	" 25 00
Nurses (female, 5),	" 20 00
Nurses (female, 4),	" 16 00
Nurses (female, 5),	" 15 00
Nurses (female, 9),	" 14 00
Usher,	" 16 00
Housework, centre (female),	" 18 00
Housework, centre (female, 2),	" 16 00
Cook,	" 23 00

28. — *List of Persons regularly employed at the Northampton Insane Hospital, Sept. 30, 1901 — Concluded.*

Cook,	per month,	\$20 00
Kitchen girls (3),	"	16 00
Clothes marker,	"	25 00
Employees' dining-room,	"	16 00
Housework (rear),	"	14 00
Watchman,	"	30 00
Carpenter,	per day,	2 25
Carpenter,	"	2 00
Painter,	"	2 00
Painter,	"	1 75
Gardener (3),	per month,	30 00
Assistant engineer,	"	37 50
Assistant engineer,	"	35 00
Assistant engineer,	"	30 00
Coachman,	"	35 00
Florist, without board,	"	50 00
Farm hand (1),	"	30 00
Farm hands (6),	"	28 00
Farm hands (2),	"	25 00

FARM PRODUCTS IN 1901.

Apples, 118 barrels, . . .	\$324 50	Hay, bedding, 2 tons, . . .	\$12 00
Asparagus, 15 bushels, . .	45 00	Ice, 400 tons, . . .	400 00
Beef, 9,147 pounds, . . .	678 26	Lettuce, 73 bushels, . . .	73 00
Beet greens, 38 bushels, . .	19 00	Lumber, 25,046 feet, . . .	400 74
Beets, 304 bushels, . . .	152 00	Milk, 45,500 gallons, . . .	9,099 80
Beets, sugar, 234 bushels, .	46 80	Onions, 245 bushels, . . .	245 00
Beans, string, 9 bushels, . .	4 50	Parsnips, 75 bushels, . . .	45 00
Beans, shell, 131½ bushels, .	65 75	Pears, 25 bushels, . . .	25 00
Beans, Lima, 236 bushels, . .	118 00	Pease, 122 bushels, . . .	122 00
Beans, dried Lima, 3 bush- els,	6 00	Pie plant, 83 bushels, . . .	62 25
Blackberries, 37 quarts, . .	4 62	Pigs roast, 1,	2 00
Broom corn, 1,600 pounds, . .	112 00	Pigs sold, 366,	670 31
Broom corn seed, 80 bush- els,	32 00	Pork, 19,567 pounds, . . .	1,204 48
Currants, 23 bushels, . . .	36 80	Potatoes, 1,805 bushels, . .	1,353 75
Cabbage, 4,107 heads, . . .	164 28	Posts, 274,	54 80
Cauliflower, 18 heads, . . .	1 44	Peppers, 3 bushels, . . .	3 00
Carrots, 431½ bushels, . . .	215 75	Quince, 4 bushels, . . .	4 00
Cucumbers, 91 bushels, . . .	45 50	Radishes, 125 bushels, . . .	6 25
Citron, 900 pounds, . . .	9 00	Rye, 100 bushels, . . .	70 00
Celery, 1,400 heads, . . .	42 00	Rye straw, 5 tons, . . .	60 00
Calves sold, 41,	279 90	Spinach, 37 bushels, . . .	34 75
Cantelopes, 6,498 pounds, . .	64 98	Squash, summer, 43 bush- els,	21 50
Cider, 6 barrels,	24 00	Squash, winter, 2,500 pounds,	25 00
Corn, 172 bushels,	86 00	Strawberries, 2,418 quarts, .	161 35
Corn, Indian, 760 bushels, . .	532 00	Swiss chard, 37 bushels, . .	18 50
Corn, fodder, 28 tons, . . .	140 00	Tomatoes, 255 bushels, . . .	127 50
Eggs, 363 dozens,	93 13	Turnips, Swede, 300 bush- els,	120 00
Egg plant, 210 pounds, . . .	10 50	Turnips, English, 154 bushels,	62 09
Ensilage, 125 tons,	437 00	Veal, 611 pounds,	68 74
Fowl, 714 pounds,	142 80	Watermelon, 16,345 pounds,	163 45
Hay, first growth, 275 tons, .	4,125 00	Wood, 30 cords,	78 45
Hay, second growth, 110 tons,	1,650 00		
Hay, Hungarian, 2½ tons, . .	24 00		

Live stock belonging to the hospital:—

Cows,	66	Horses,	15
Bulls,	3	Colts,	3
Heifers,	33	Swine,	85
Yokes of oxen,	4		

PUBLIC DOCUMENT

. . . . No. 21.

FORTY-SEVENTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON INSANE HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1902.



BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.

1903.



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Mass. Northampton State Hospital



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OFFICERS

OF THE

NORTHAMPTON INSANE HOSPITAL.

TRUSTEES.

ALVAN BARRUS,	GOSHEN.
SARAH A. WOODWORTH,	. . . . .	CHICOPEE.
CAROLINE A. YALE,	. . . . .	NORTHAMPTON.
F. W. CHAPIN, M.D.,	. . . . .	SPRINGFIELD.
WILLIAM D. MACINNES,	. . . . .	PITTSFIELD.
HENRY P. FIELD,	. . . . .	NORTHAMPTON.
ELISHA MORGAN,	. . . . .	SPRINGFIELD.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	. . . . .	<i>Superintendent.</i>
JUSTUS G. HANSON, M.D.,	. . . . .	<i>First Assistant Physician.</i>
HARRIET M. WILEY, M.D.,	. . . . .	<i>Assistant Physician.</i>
CHARLES H. DEAN, M.D.,	. . . . .	<i>Assistant Physician.</i>
ARTHUR B. MOULTON, M.D.,	. . . . .	<i>Assistant Physician.</i>
LEWIS F. BABBITT,	. . . . .	<i>Clerk.</i>
IDA A. PORTER,	. . . . .	<i>Matron.</i>
JOHN MERCIER,	<i>Farmer.</i>
GEORGE T. GILBERT,	<i>Engineer.</i>

TREASURER.

LEWIS F. BABBITT.	NORTHAMPTON.
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Office at the Hospital.

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton Insane Hospital respectfully submit their report for the year ending Sept. 30, 1902, including as a part of it the reports of the superintendent and treasurer.

IMPROVEMENTS.

Work on the cold storage building, which was in progress at the time of our last report, was completed early in the winter, and the building was put in use at once. The refrigerating apparatus works well, and the different rooms are easily kept at the desired temperatures. So far as tried, eggs, butter and meats keep well, and, from the short trial of fruits this fall, we expect to save many bushels of apples and potatoes from decaying.

The work of connecting the main sewer with the city sewer was finished before winter. During the winter about 700 feet of sewer was laid, connecting the infirmary building with our main sewer, and this spring all the pipes carrying roof and surface drainage were dug up and relaid. This separation from the sewer was required because Northampton's sewer was too small to carry both sewage and drainage. In all, a little more than 4,800 feet was laid.

Work on the infirmary building was begun in the spring. It has progressed rapidly, and we hope the building will be ready for occupancy in a few months. Before the contract was let the price of building materials was advanced and also the wages of laborers, while the hours of labor were reduced from nine to eight for a day's work. As a consequence, the contract price was larger than had been estimated, but it is

confidently expected to finish the building for the amount appropriated. Much of the work was reserved to be done by the hospital. The excavating for the basement and for the foundation walls was done by patients and attendants. They also helped in laying the stone walls for the foundation. The stone and the sand used by the contractor were furnished by the hospital and were hauled by our teams. Considerable of the carpenter work and all of the painting was reserved to be done by our employees, assisted by the patients. In this way the cost of the building was materially reduced.

The foundation of the new cow stable is nearly finished, and it is expected that the building will be ready for use this winter.

A new mortising machine and a buzz planer have been added to the equipment of the carpenters' shop, and a new lathe will soon be put in the pipe shop.

A new boiler has been made, and will soon be set up. This is of the horizontal tubular type, 16 feet long by 72 inches in diameter. It will supplement the boilers now in use, to be used as a reserve except in severely cold weather, when it will be needed with the others after the new building is occupied.

NEEDS.

We refer to the report of the superintendent as to the crowded condition of the hospital and the steady increase in the number which the hospital has to care for. His report shows the need of a new infirmary building for the men, and we ask for, and urge, an appropriation to build one to accommodate 100 men. The general plan for a building has been made, and an estimate of its cost is from \$65,000 to \$70,000.

We also recommend that additional land be purchased, to be used as suggested by the superintendent in his report.

Considerable change must be made in our heating system this winter. The returns from the heating apparatus gave out on each wing of the hospital last winter, and were temporarily repaired. Plans for thorough repairs, with changes which will add to the economy of operation, have been made by an expert engineer, Mr. R. D. Kimball of Boston. Our hot-water system is neither satisfactory nor economical. Under each tier of toilet rooms is a boiler to which steam under high pressure

is brought. There are now nine such boilers in use. It is proposed to bring these together in one place at the boiler house and to heat the water by exhaust steam, possibly assisting the circulation of the water with a small pump. It has been carefully estimated that these changes will require an outlay of \$9,200. In line with this same work it is proposed to divide the heating stacks under the middle sections of both wings. The wards above these are the largest in the hospital, and at times not enough air passes through the heaters, as now located; dividing them so as to place one-half of the radiators at the other end of the heating chamber will remedy this trouble. This can probably be done for \$700 or \$800. To make all these changes will require an appropriation of \$10,000.

We need a system of night watchman's clocks and electric clocks; and we think it would be economical to purchase a telephone system to replace the one now rented. For these the sum of \$2,000 will be required.

COST OF MAINTENANCE.

The per capita cost of maintenance during the year was \$3.47 per week. This is considerably larger than usual, and was made necessary by the greater cost of supplies and by the increase in number of nurses.

The officers of the institution have long felt the need of a larger ratio of nurses to care for the patients properly, to guard against accidents, and at the same time to be considerate of the nurses. Their time on duty should be shortened.

In addition to an increase in the number of employees, there is a steady pressure to increase wages to make them compare with wages generally outside the hospital. It is difficult to secure competent employees to fill positions at the rates paid former employees. This refers especially to departments outside the nursing department.

All these considerations mean that the present price per capita received for the board of patients is not sufficient. The warming, feeding and clothing of patients, supervision, nursing and medical attendance cannot be given as they ought to be, and as we believe the public desires should be given, for 47 cents per day per patient.

GENERAL CONDITIONS.

The institution has had a prosperous year. Its condition is, in our opinion, satisfactory except for the crowding. And we wish to express our approval of the faithful and efficient service of its superintendent and the corps of medical and other officers.

The farm has been very productive, with the exception of a few crops. There was an excellent harvest of hay, and, though not so abundant as last year, it is sufficient for our needs. There was an unusual yield of apples, both in quality and quantity, over 1,800 barrels, besides about 85 barrels of cider apples.

CHANGES.

It is with sorrow that we record the deaths of two members of our Board, — Mrs. Sarah M. Butler in January and Mr. Lyman D. James in May. Mrs. Butler was appointed in 1884 and Mr. James in 1879. Both manifested more than ordinary interest in the hospital, and gave freely of their time to its affairs. Both were constant attendants at the monthly meetings of the Board. Mrs. Butler regularly visited the hospital at other times to visit the patients in whom she took personal interest, listening with much sympathy to their troubles and speaking many words of encouragement. Mr. James was on the building committee, which had charge of all changes in hospital construction in the past ten or twelve years. To these matters he gave a great deal of time and attention. Their counsel and experience, gained from long and faithful service, will be greatly missed by us.

Miss Caroline A. Yale of Northampton, superintendent of Clarke School for the Deaf, and Mr. H. P. Field of Northampton, were appointed to fill the vacancies on the Board.

ALVAN BARRUS.
SARAH A. WOODWORTH.
CAROLINE A. YALE.
F. W. CHAPIN, M.D.
WILLIAM D. MACINNES.
HENRY P. FIELD.
ELISHA MORGAN.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Insane Hospital.

The report of the operations of the hospital for the year ending Sept. 30, 1902, is hereby respectfully presented.

MOVEMENT OF POPULATION.

On Oct. 1, 1901, there were 618 patients in the hospital; during the year 219 cases were committed, 3 were returned from elopement and 181 were discharged. The number at the end of the year was 659, which was also the largest number ever in the hospital on any one day. Of these, 96 were supported by friends, 461 by towns and 102 by the State. The whole number under treatment within the year was 840, the daily average being 636, which is 34 larger than last year and 60 larger than two years ago.

ADMISSIONS AND DISCHARGES.

Two hundred and seventeen persons were admitted within the year,—118 men and 99 women. One man and 1 woman were each admitted twice, making the number of cases 219. Ninety-seven of these were born in Massachusetts, 67 in other States and 73 were foreign born. Nearly two-thirds of those admitted were of foreign parentage.

For several years past this hospital has received a very unfavorable class of cases, and the same is true this year. Fifty-four persons were admitted who were over sixty years of age, and of these 20 were over seventy years of age. In 32 cases the mental trouble dated from birth or early childhood, and from these no recoveries can be expected; in 93 others the disease had existed for more than a year; in 30 of these it had been from five to twenty years and in 13 more than twenty

years. Our records for a series of years show that of the recoveries 80 per cent. had been insane less than six months on admission. This year in only one-third of the cases admitted was the duration given as less than six months; but many of these were cases of senile dementia, whose recovery was not to be hoped for.

Intemperance was the cause of mental disease in 27 cases, and a contributing factor in many others, old age was the cause in 29 cases, heredity in 18, with hereditary tendencies in 39 others. Cerebral hemorrhage, chorea, epilepsy, sunstroke and syphilis were the causes in 18 cases.

A great majority of cases were of the incurable forms of mental disease, — paresis, epilepsy, paranoia, dementia, senility, etc.

The physical health of the patient was good in only 64 of those admitted, fair in 88 and was very poor in 65. In the cases of only 22 men and 17 women could favorable prognosis be made.

The question, “What proportion of the insane recover?” often asked, cannot be answered definitely. Insanity is a general term, including many forms of mental disorder. The Revised Laws of Massachusetts define the term an “insane person” as “including every idiot, non compos, lunatic and distracted person.” There are many distinct forms of mental disorder; some by their very nature preclude the possibility of recovery. As a rule, persons are not committed to the hospital till they become an annoyance or dangerous to friends and the community, consequently the majority of patients committed to the hospital are of the incurable class. Prospects of recovery depend largely upon the physical condition of the patient, his age, the cause of insanity and its duration, but more upon the form of mental disorder.

These same factors influence the prospects of improvement where recovery is not to be hoped for, and secondarily they determine the number to remain in the hospital as permanent charges. Usually if the patients show no improvement they are not removed from the hospital. To this cause more than to any other is to be attributed the increasing numbers in all the institutions in the State for the care of the insane.

One hundred and eighty-one cases were discharged, as follows: as recovered, 31; as much improved, 24; as improved, 22; as not improved, 52; as not insane, 2, one a case of opium habit, the other a case of simulated insanity. Thirty men and 20 women died.

The number of recoveries is very small, but is as large as could be hoped for from the character of the admissions, which has already been commented upon.

The ratio of deaths, 5.95 per cent. of the whole number under treatment and 7.86 per cent. of the daily average number, was the smallest of any year since 1894-95. This is about the number of deaths to be expected for some time to come, because there are so many old people in the hospital, many of whom will remain here as long as they live. A census of the hospital shows 142 persons here over sixty years of age, 48 being over seventy and 12 over eighty.

Of those who died, 19 were over seventy years old and 7 others were over sixty years old. The cause of death was apoplexy in 7 cases; paresis in 5; senility in 18; chronic heart disease in 6; epilepsy in 2; pulmonary tuberculosis in 5; cancer in 2; bulbar paralysis, cirrhosis of the liver, pulmonary abscess, transverse myelitis and suicide, 1 each.

GENERAL HEALTH, ETC.

There has been very little sickness of an acute nature, but because of the large number of old people to be cared for and the large number who were in feeble physical condition when admitted to the hospital, there have been many cases treated in bed, — probably a daily average number of 50. On the male side of the hospital two dormitories have been devoted to the care of such cases, in each of which there has been continuous nursing service day and night. Such a condition has existed on the women's side of the hospital for years, but not before now on the men's side.

There has been no severe epidemic. One nurse contracted measles outside the hospital and two nurses had typhoid fever, the origin of which could not be traced. These all made good recoveries. There have been 10 cases of malaria, none of which were fatal.

A woman was brought here who had been nursing her child sick with diphtheria; she was quarantined till danger was past. A man was committed who had been in a boarding house which was quarantined on account of small-pox. The quarantine had been raised for a few days, but had been put on the house again the day on which the man was sent here. By our request this man was taken back by the town authorities. These two cases suggest the advisability of having section 14 of chapter 85 of the Revised Laws, which now applies to the State Hospital at Tewksbury alone, apply to other State institutions. This law provides that no person infected with small-pox or other disease dangerous to public health shall be sent to the State Hospital.

Small-pox being so prevalent in neighboring towns last winter, as a precaution all of the patients and employees were vaccinated.

MEDICAL TREATMENT.

Most of the insane are in poor physical condition on admission, and this is especially true of those suffering from acute forms of insanity. Our first efforts are directed toward improving their bodily health. Rest in bed to save their strength, the elimination of waste to prevent auto-intoxication, and general tonics are the principal therapeutic measures used. We continue the use of hydrotherapeutics in a large number of cases. There are no drugs that are specially called for in the treatment of the insane; on the contrary, our continued experience confirms the belief that there is a class of drugs that do more harm than good, namely, the whole class of hypnotics. None of any kind have been given here for several years.

Methodical examinations and analyses have been made by the members of the staff. The following is a report of the work in the laboratory, which is additional to the routine ward work: number of blood counts, 120; examinations of blood for malaria, 17; cultures from the throat, 19; examinations of sputum, 25; Widal reaction tried, 23; analyses of gastric contents, 11; autopsies, 6; number of vaccinations, 670.

In addition to the above-mentioned measures of treatment are two others of equal if not of greater value, namely, mental diversion and manual labor. If every patient who is physically able to work could be induced to take up a regular daily task,

his condition would at once improve. Many of the patients who are convalescing complete their recovery rapidly on going out to work.

There are always patients enough in a State hospital to help in the routine work of kitchen, laundry, sewing room, bakery and shops, and also on the farm. The farm work is in my opinion best suited for the majority of patients. It is usually simple work, easily understood, not laborious, and keeps the worker in the open air. There is always much work that can be done on the grounds about such an institution, in grading and the like. During the past year patients here have dug trenches, assisted in laying sewer pipes, and filling in, for distances aggregating 4,800 feet, nearly a mile. The larger part of this was necessary to change the roof and surface drainage from the sewer system; 800 feet of this was to connect the infirmary building with the main sewer. This part of the work was done in the winter, about 500 feet being by tunnel under the frozen ground. Shafts were sunk about 60 or 70 feet apart, and tunnels were run each way from them. In one place the tunnel was nearly 20 feet under ground. This was done by the patients, under the direction of one of the employees. In the spring, patients and attendants excavated for the infirmary ward and assisted in putting in the stone foundation, thus making a great saving in the cost of the building. As many as 40 patients at a time were engaged in this work.

Much grading has been done near the pavilion for a playground; also in the grove and at the horse stable.

In an institution of this size, patients can be found who will, under proper supervision, do good work in the erection of buildings. Our horse stable was built by patients, under our regularly employed carpenter, who laid out their work. In the same way the cold storage building was constructed. Much upholstering, repairing of furniture and mattress making has been done. One patient, who was a tinsmith by trade, helped regularly in making the tinware; another made over 300 window screens, several doors and frames, an oak desk and a book closet for the superintendent's office, a large book case for the assistant physicians' office and three cases for the library.

TRAINING SCHOOL.

Beginning with October, weekly recitations were given each class and 78 lectures were given by the medical staff. Examinations were held in each subject when the course was complete. There were five graduates, — Miss Florence A. Bedell, Miss Hattie O. Read, Mrs. Mary Gardner, Miss Anna Checkley and Miss Margaret Kennedy, — all of whom passed the examination with much credit. Four of these remain in the service of the hospital.

To carry on the work in a hospital successfully and care for the patients properly, a corps of cheerful, patient and intelligent nurses is required. The hours of service are now too many in the day; the work is arduous and at times discouraging. To care for the patients more efficiently, a larger force of nurses is required than insane hospitals have been accustomed to get along with; and to make the work more attractive, and so enable the hospital to retain the services of desirable nurses, shorter hours of service should be required. To allow a shorter time on duty, we must have more nurses. To have more nurses, we must receive more money per capita for the board of patients, unless retrenchment is made elsewhere, which cannot be done except at the expense of the comfort of the patients.

Mention has been made of the large increase in our daily average number of patients. At present 251 patients are sleeping in the corridors or with other patients in rooms which are only large enough for one. Besides these, the dormitories are crowded with 75 more patients than they ought to accommodate.

This winter the new infirmary will relieve the pressure on the wards for women. A similar building is needed immediately to accommodate at least 100 men. If this hospital is to care for the insane of the western part of the State, as seems probable for many years to come, further accommodations must be provided very soon. I recommend that several hundred acres of land be purchased, on which inexpensive buildings may be constructed for patients of the quiet class, who can be trusted and who do not require close oversight. Here patients could keep busy clearing land for cultivation; they

could raise staple crops, such as corn and potatoes, and could care for the young stock that is now sent out to pasture. At present we have not enough pasture room, and every year we rent pasturage in two different places. It would be better to purchase land that has been only partly cleared, in order that it could be bought cheaply, also to give employment to the patients who were to live on it. It should be near enough to the hospital to be easily reached, so that patients could be transferred back and forth as needed, and supplies be easily carried each way.

Whatever provision shall be made to relieve the hospital of its present crowded condition, a marked increase in the number of admissions may be expected in 1904, if the State assumes the burden of expense of all the insane now supported by the cities and towns where they have their legal settlement; and this increase will be of persons who will be likely to remain public charges permanently. Many feeble-minded and insane are now cared for in almshouses all over the State, and every community tolerates one or more weak-minded or mildly insane person. Some of these will be sent to the hospital when the State "pays the bills." No doubt measures will be taken before 1904 to forestall the transfer in large numbers from almshouses to hospitals; but it is easy to predict a considerable increase in the number of commitments, and eventually the State must house them all. Not infrequently overseers of poor have said, when taking patients from the hospital to the almshouse, "We shall be bringing these patients back in 1904." So far as this hospital is concerned, it does not seem wise to enlarge it at present, because that would involve radical changes in our plant, by which is meant the heating, cooking and washing departments.

In case it should be found necessary for this hospital to care for a large number of patients, the following suggestion has some things to commend it, though it has not been fully considered from all sides; namely, that small asylums be established in Berkshire and Hampden counties, to which may be transferred patients of the chronic class who live in said counties, such patients as the overseers of the poor are now allowed to take to their almshouses. Such an asylum might

be inexpensive, and need not have a resident medical staff. The present laws could be amended to allow the transfer from the hospital, and, if it should be found necessary, the return of the patient to the hospital. Not the least of the advantages of this plan would be that patients would be much nearer their homes, and could be visited by their friends more frequently than if here.

RELIGIOUS SERVICES, ENTERTAINMENTS, ETC.

Much has always been done in this institution for the amusement and diversion of the patients. Frequent assemblies break up the monotony of the ward life, and conduce to the discipline of the patients and the quiet of the hospital.

Religious services were held every Lord's day, as usual, some clergyman from this vicinity officiating. During the cool months of the year assemblies have been held three evenings of each week. The following list will give an idea of the character of the entertainments: October 14, whist party; October 25, Mr. Coles, legerdemain; October 31, Hallowe'en party; December 10, Old Maids' Convention; December 14, Mr. Seymour, lecture, "A trip to Brazil;" December 25, Christmas tree; January 14, Mr. Bregnante, legerdemain; January 27, Mr. Prescott, caricatures and imitations; February 4, stereopticon lecture, "The Holy Land;" February 17, Mr. Holden, stereopticon lecture, "The Pan American;" February 22, whist party; March 3, Mr. Lorrain, musicale; March 29, Miss Eastman, with Mt. Holyoke College Glee Club; April 3, Mr. and Miss McKay, musicale; April 21, Mr. and Mrs. Pierce, dramatic scenes; May 5, Mr. and Mrs. Wheeler, musicale; May 17, Miss Eastman, with Mt. Holyoke College Glee Club; dances were held on twenty-three evenings. On other evenings there was reading by a member of the staff and singing by the hospital choir. Music is a part of each entertainment. When it is not a part of the programme, patients march in and out to music.

The director of gymnastics, besides giving instructions in gymnastics and massage to the nurses, has classes of patients, teaching them gymnastics, simple drills, marching to music, basket ball, volley ball and other games in the gymnasium. In the months when patients can be much of the time out of doors,

she conducts games there, basket ball, croquet, tennis and golf. In the winter her duties call her on to the wards, where she encourages the patients to play table games, and she occasionally organizes entertainments to be given by inmates in the assembly hall.

We now have for the men billiard and pool tables on five wards. These are in constant use. A desirable addition to our facilities for entertaining the male patients would be a hall or pavilion about a quarter of a mile from the other buildings, where the men could gather to smoke and play at tenpins. This would also be an excellent place of resort for the male employees when off duty. At present there is no convenient gathering place for them. I would suggest the building of such a pavilion as soon as the condition of the treasury shall permit.

ACKNOWLEDGMENTS.

Several people have remembered the unfortunates who live here, and have contributed to their comfort. We appreciate their kindness, and thank them heartily. We are pleased to record the following gifts: Mrs. J. E. Tyler of Northampton has sent "The Outlook;" Mrs. Francis Putnam of Northampton, papers and magazines and presents for the Christmas tree; Mrs. Knowlton of Athol, papers and magazines and presents for the Christmas tree; Miss Maria S. Foot of Springfield, candy and boxes for the Christmas tree; Mr. C. F. Arnold of Northampton, presents for the Christmas tree; Miss Jessie Orr of Adams, oranges for Christmas tree; Mr. W. N. Waite of Amherst, pop corn and bags for Christmas tree; Mr. T. F. Beardsley of Springfield, oranges; Mrs. H. M. Abbott of Northampton, magazines; Miss Eliza I. Maynard of Northampton, magazines; Mrs. J. N. Munn of South Hadley, magazines and papers; Mr. S. E. Bridgeman of Northampton, papers and magazines; Miss Julia B. Kingsley of Northampton, magazines; "Harper's Weekly," the "Christian Register" and "Berkshire County Eagle" have been regularly received. Papers, magazines and pictures are liked by the patients, and especially copies of their home papers.

JOHN A. HOUSTON.

DIETARY OF THE NORTHAMPTON INSANE HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons, and the second to those of somewhat over three hundred. In addition to these, about sixty quarts of egg and milk are taken through the wards between meals and at bed time, and distributed to the old, the feeble and the convalescent classes.]

BILL OF FARE No. 1.

BREAKFAST.

Monday. — Tea, oatmeal, coffee, broiled beefsteak or eggs, potatoes, warm rolls ("biscuit"), bread and butter.

Tuesday. — Tea, coffee, oatmeal, fried tripe,* potatoes, warm rolls, bread and butter.

Wednesday. — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes and warm brown (rye and Indian) bread.

Thursday. — Tea, coffee, oatmeal, broiled beefsteak, potatoes, warm rolls, bread and butter.

Friday. — Tea, coffee, oatmeal, fried tripe,* potatoes, warm rolls, bread and butter.

Saturday. — Tea, coffee, oatmeal, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.

Sunday. — Tea, coffee, oatmeal, eggs, potatoes, warm rolls, bread and butter and fried Indian corn pudding.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,† bread and butter, boiled rice with syrup or sugar.

Tuesday. — Vegetable soup, roast or stewed veal,‡ potatoes and one other vegetable,† bread and butter and baked Indian pudding.

Wednesday. — Either fried or baked fresh fish or boiled mutton, potatoes and one other vegetable,† bread and butter and berry or apple pudding, with sauce.§

Thursday. — Vegetable soup, corned beef, potatoes and one other vegetable,† bread and butter and boiled suet pudding, with syrup.

* Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

† At least three vegetables during the summer.

‡ Substituted in winter by fresh pork ribs, roasted.

§ In spring, maple syrup is used as sauce for puddings.

Friday. — Either boiled or roasted mutton* or stewed or roasted veal, potatoes and one other vegetable,† bread and butter, and tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable,‡ pickles, bread and butter, and baked bread pudding.

Sunday. — Stewed mutton, potatoes, warmed baked beans, pickles, bread and butter, and pies, the kind varying with the season.

SUPPER.

Monday. — Tea and bread, warm corn cake and butter, hard gingerbread and a relish.‡

Tuesday. — Tea, white bread, graham bread and butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.

Wednesday. — Tea, bread and butter, pie (the kind varying with the season) and ginger snaps and a relish.

Thursday. — Tea, bread and butter, cookies and cheese.

Friday. — Tea, bread and butter, cake (the kind varying) and a relish.

Saturday. — Tea, bread and butter, doughnuts and cheese.

Sunday. — Tea, bread and butter, cookies and ginger snaps and blanch-mange or corn starch.

Extra. — In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

Tuesday. — Coffee, oatmeal, cold roast beef, potatoes, and bread and butter.

Wednesday. — Coffee, oatmeal, meat stew or boiled eggs, potatoes, and warm rye and Indian corn brown bread and butter.

Thursday. — Coffee, oatmeal, picked cod fish cooked in milk, potatoes, and bread and butter.

Friday. — Coffee, oatmeal, cold corned beef or meat stew, potatoes, and bread and butter.

Saturday. — Coffee, oatmeal, hash, either of meat or fish, and bread and butter.

Sunday. — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,‡ boiled hominy with molasses and bread.

* Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

† At least three vegetables during the summer.

‡ This term, used for the want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruits, all of which are supplied, and each according to the season.

Tuesday.— Vegetable soup, potatoes and one other vegetable,* baked Indian pudding † and bread.

Wednesday.— Boiled fresh fish with drawn-butter sauce, potatoes and one other vegetable,* boiled hasty pudding with molasses and bread.

Thursday.— Vegetable soup, potatoes, cabbage or some other vegetable,* boiled rice with molasses ‡ and bread.

Friday.— Boiled codfish with drawn-butter sauce, potatoes, beets or some other vegetable, boiled hasty pudding with molasses and bread.

Saturday.— Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday.— Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday.— Tea, bread and butter, and hard gingerbread.

Tuesday.— Tea, bread and butter, and soft gingerbread.

Wednesday.— Tea, bread and butter, cake or gingersnaps, and some kind of relish.

Thursday.— Tea, bread and butter, and cookies.

Friday.— Tea, bread and butter, and soft gingerbread.

Saturday.— Tea, bread and butter, cake or gingersnaps, sauce.

Sunday.— Tea, bread and butter, and cookies.

EXTRAS.

In the winter and spring months, hulled corn at supper on Saturdays.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In eight halls, sauce, of either fresh or dried apples, is furnished four times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five bushels of green sweet corn in the ear is consumed in its season, daily, with the exception of Sunday.

Strawberries, tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horse-radish as a condiment.

During eight months of the year apples are distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast, milk toast, toast with dropped egg and boiled eggs, for invalids and all who are not able to take the regular fare.

* At least three vegetables in the summer.

† All baked puddings for the whole household are made with milk.

‡ Maple syrup is furnished, in place of molasses, three or four times in the spring.

ARTICLES MADE IN SEWING ROOM.

Aprons,	338	Ox blankets,	4
Bathing suits,	4	Pillow cases,	1,442
Billiard table covers,	5	Pillow ticks,	85
Binders,	12	Pillow shams,	30
Bureau covers,	145	Roller towels,	833
Caps,	394	Sheets,	1,762
Carriage cover,	1	Shirts,	480
Carpeting, yards,	48	Shirt waists,	11
Chemises,	133	Sideboard covers,	2
Cloth bags,	35	Skirts,	123
Curtains,	181	Spreads,	5
Dust cloths,	23	Straw ticks,	32
Drawers,	49	Table cloths,	56
Dresses,	329	Towels,	1,861
Mattress ticks,	159	Tray cloths,	13
Napkins,	307	Under waists,	29
Night gowns,	122	Articles repaired,	20,007
Night caps,	10		

UPHOLSTERY DONE IN THE YEAR.

Hair mattresses made, new material,	60
Hair mattresses made, new ticks,	115
Hair mattresses made, old material,	192
Hair pillows made, new material,	57
Hair pillows made, new ticks,	35
Hair pillows made, old material,	181
Feather pillows made,	30
Lounges upholstered,	16

AMOUNT OF PRESERVING DONE IN KITCHEN DEPARTMENT.

Preserves : —	Jelly : —
Blueberries, quarts, 90	Currant, glasses, 35
Cherries, quarts, 11	Canned fruit : —
Citron, quarts, 42	Tomatoes, quarts, 537
Gooseberries, quarts, 24	Pickles : —
Grapes, quarts, 24	Ripe cucumber, gallons, 9
Plums, quarts, 203	Mustard, gallons, 7
Peaches, quarts, 40	Chow-chow, gallons, 9
Quince, quarts, 69	Catchup, tomato, quarts, 10
Rhubarb, quarts, 90	Catchup, grape, quarts, 5
Strawberries, quarts, 135	

FARM PRODUCTS.

Apples, 1,810 barrels, . . .	\$2,715 00	Hay, second growth, 67	
Asparagus, 48 bushels, . . .	144 00	tons,	\$1,005 00
Beef, 9,972 pounds,	804 19	Hay, bedding, 4 tons, . . .	32 00
Beet greens, 10 bushels, . . .	5 00	Ice, 600 tons,	600 00
Beets, 200 bushels,	100 00	Lettuce, 160 bushels, . . .	160 00
Beets, sugar, 400 bushels, . . .	120 00	Lumber, 12,818 feet,	192 27
Beans, string, 20 bushels, . . .	10 00	Milk, 50,289 gallons, . . .	10,057 80
Beans, cranberry, 40		Melons, 2,890 pounds, . . .	28 90
bushels,	20 00	Onions, 553 bushels,	553 00
Beans, shell, 48 bushels, . . .	24 00	Oats, 90 bushels,	54 00
Beans, Lima, 151 bushels, . . .	224 00	Oats, green, 6 tons,	60 00
Broom corn, 1,600 pounds, . . .	93 00	Oat straw, 3 tons,	42 00
Broom corn seed, 80 bush-		Parsnips, 80 bushels,	52 00
els,	36 00	Pears, 30 bushels,	30 00
Currants, 27 bushels,	60 75	Pease, 181 bushels,	181 00
Cabbage, 500 heads,	20 00	Parsley,	4 00
Cauliflower, 250 heads,	12 50	Plums, 4 quarts,	40
Carrots, 304 bushels,	122 00	Pie plant, 120 bushels, . . .	90 00
Cucumbers, 150 bushels,	75 00	Pigs, roast, 2,	4 00
Celery, 564 heads,	47 00	Pigs sold, 19,	55 00
Calves sold, 31,	264 00	Pork, 19,498 pounds,	1,434 35
Cider, 75 barrels,	144 00	Potatoes, 2,079 bushels, . . .	1,247 40
Corn, shelled, 850 bush-		Potatoes, small, 200 bush-	
els,	595 00	els,	40 00
Corn, green, 351 bushels, . . .	175 50	Peppers, 2 bushels,	2 00
Corn fodder, 38 tons,	190 00	Quince, 9 bushels,	11 25
Chickens, 1,158 pounds,	229 90	Radishes,	5 00
Ensilage, 125 tons,	437 00	Raspberries, red, 150	
Eggs, 799 dozens,	212 90	quarts,	22 50
Egg plant, 200,	10 00	Raspberries, white, 6	
Hay, first growth, 274		quarts,	90
tons,	4,110 00	Rye, 50 bushels,	35 00

Rye straw, 3½ tons, . . .	\$49 00	Tomatoes, 247 bushels, .	\$123 50
Sage,	5 00	Turnips, English, 185	
Spinach, 155 bushels, . .	116 25	bushels,	92 50
Squash, summer, 250		Turnips, Swede, 550	
bushels,	125 00	bushels,	275 00
Squash, winter, 7¼ tons, .	144 00	Veal, 800 pounds, . . .	91 60
Strawberries, 1,664		Wood, 47 cords, . . .	141 00
quarts,	249 60	Miscellaneous articles, .	12 85
Swiss chard, 84 bushels, .	42 00		

Live stock belonging to the hospital: —

Cows,	66	Horses,	16
Bulls,	3	Colts,	3
Heifers,	37	Swine,	146
Yokes of oxen,	4	Fowls,	225
Steers,	2		

OFFICERS AND EMPLOYEES.

[Time employed, Sept. 30, 1902.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	13	—	7
Justus G. Hanson, M.D., assistant physician,	4	1	22
Harriet M. Wiley, M.D., assistant physician,	2	7	29
Charles H. Dean, M.D., assistant physician,	2	4	21
Arthur B. Moulton, M.D., assistant physician,	1	7	15
Lewis F. Babbitt, clerk and treasurer,	10	11	18
Walter I. Dodge, engineer,	7	4	29
John Mercier, farmer,	35	2	—
Ida A. Porter, matron,	4	1	29
Robert H. Gallivan, superintendent of nurses,	29	5	12
Florence A. Bedell, superintendent of nurses,	2	9	5
Lucy A. Gilbert, clothes marker,	34	8	17
George N. Drury, steward,	5	—	—
Mattie G. Jones, secretary to superintendent,	9	10	15
William J. Moore, assistant steward,	5	11	3
Herbert W. Root, assistant steward,	3	4	22
George B. Walker, baker,	18	3	17
Herbert E. Walker, assistant baker,	4	6	17
Susan E. Warren, seamstress,	8	6	8
Bessie M. Jones, assistant seamstress,	2	11	7
Charles E. Williams, laundryman,	5	—	29
Emma Newton, laundress,	1	7	—
Mary Riehl, laundress,	—	1	24
Harriet O. Read, supervisor,	2	5	25
Samuel L. Williams, nurse,	10	3	3
Robert A. Pike, nurse,	4	3	29
Fred D. Aldrich, nurse,	3	10	13
Charles Cox, nurse,	1	4	22
Otis Osman, nurse,	1	4	22
George Farmer, nurse,	1	2	20
Charles A. Hocum, nurse,	1	—	17
Emile M. Clem, nurse,	—	6	21
Walter L. Lyon, nurse,	—	4	24
Charles H. Loomis, nurse,	—	2	11
Arthur N. Ball, nurse,	—	2	11
Vernon G. Rand, nurse,	—	1	29
Frank C. Atherton, nurse,	—	1	21
Harry O. Cudworth, nurse,	—	1	26
Fred E. Sheppard, nurse,	—	1	—
David G. Lowell, nurse,	—	—	20
Ernest E. Curry, nurse,	—	—	15
Margaret Kennedy, nurse,	3	4	10
Mary E. Gardner, nurse,	3	3	16
Jennie Hart, nurse,	2	11	9
Annie Murray, nurse,	1	11	3
Adella Cox, nurse,	1	10	17
Annie Checkley, nurse,	3	7	18
Jessie Murray, nurse,	1	6	—
Fannie Thorndyke, nurse,	1	4	—
May E. Root, nurse,	1	5	16

NAMES.	Years.	Months.	Days.
Minnie McLaurin, nurse,	1	-	8
Maud Amsden, nurse,	1	1	15
Mamie E. Casey, nurse,	-	11	24
Eliza Shaw, nurse,	-	10	11
Olive A. Ross, nurse,	-	10	5
Katherine R. Maloney, nurse,	-	6	21
Beatrice Hayes, nurse,	-	6	7
Cora Weymouth, nurse,	-	5	3
Fannie Glover, nurse,	-	3	-
Emily Grow, nurse,	-	2	25
Mary T. Simmons, nurse,	-	2	23
Maud L. Wheeler, nurse,	-	1	27
Jeanette L. Ryan, nurse,	-	1	9
Bertha M. Wheeler, nurse,	-	-	23
Angie B. Loud, nurse,	-	-	27
Belle McLaurin, nurse,	-	-	17
Janet E. Clark, nurse,	-	-	14
Ruth A. Leach, usher,	-	3	2
Belle McCallum, centre housework,	-	7	1
Maggie McNamara, centre housework,	2	11	2
Mary Weber, centre housework,	-	2	18
Susie M. Glines, employees' dining room,	-	3	7
Harriet Briggs, rear housework,	1	1	23
Grace Bidwell, cook,	2	1	29
Cora Rand, kitchen girl,	-	1	27
Mary Curran, kitchen girl,	2	-	29
Nora Neil, kitchen girl,	-	3	-
William C. Day, assistant engineer,	4	11	29
Walter D. Newton, assistant engineer,	2	8	16
Edwin L. Stark, fireman,	-	8	17
George W. Thorniley, florist,	9	5	11
Nicholas Reil, gardener,	25	8	8
Henry Mould, gardener,	4	4	10
Sifroi Belleville, carpenter,	31	3	29
Walter Tower, carpenter,	24	8	-
Alfred Parenteau, painter,	36	1	17
William T. Nicholls, painter,	-	-	9
George W. Braman, mechanic,	13	10	7
Thomas P. Clair, plumber,	4	5	1
Henry R. Egleston, mason,	-	-	117
David Mercier, coachman,	25	7	13
Henry M. Wilson, assistant farmer,	23	5	7
Xaviar Dion, farm laborer,	9	3	16
Charles Ulrich, farm laborer,	5	5	7
B. McNamara, farm laborer,	4	5	8
Benjamin W. Read, farm laborer,	2	11	-
Henry Fuller, farm laborer,	2	7	2
Nikolas Krajnyak, farm laborer,	1	6	-
Samuel Brooks, farm laborer,	-	-	64
John C. Ruback, farm laborer,	-	-	18
Walter A. Robbins, farm laborer,	-	6	14
Arthur Leroy Hathaway, farm laborer,	-	5	9
Holland E. Cogan, farm laborer,	-	4	13
Albert W. Nearhood, watchman,	-	11	22
Bernard Kilkenny, laborer,	4	1	12

LIST OF PERSONS REGULARLY EMPLOYED AT THE NORTHAMPTON INSANE HOSPITAL.

Superintendent and physician,	per year,	\$2,800 00
Assistant physician,	"	1,200 00
Female physician,	"	800 00
Assistant physician,	"	800 00
Assistant physician,	"	700 00
Treasurer and clerk,	"	1,800 00
Engineer, house rent and partial board,	"	1,100 00
Farmer,	"	780 00
Florist, without board,	"	700 00
Matron,	"	500 00
Superintendent of nurses,	per month,	50 00
Superintendent of nurses,	"	35 00
Secretary to the superintendent,	"	38 00
Seamstress,	"	25 00
Assistant seamstress,	"	18 00
Laundryman,	"	40 00
Laundress,	"	18 00
Laundress,	"	14 00
Baker,	"	50 00
Assistant baker,	"	35 00
Steward, with partial board,	"	60 00
Assistant steward, with partial board,	"	47 50
Assistant steward, with partial board,	"	40 00
Supervisor,	"	30 00
Clothes marker,	"	25 00
Nurses (men, twenty-eight),	"	\$21 00 to 30 00
Nurses (women, thirty),	"	14 00 to 30 00
Usher,	"	14 00
Housework (four),	"	\$14 00 to 18 00
Employees' dining room,	"	14 00

Cook,	per month,	\$20 00
Cook,	"	14 00
Kitchen girls (four),	"	\$14 00 to 16 00
Watchman,	"	25 00
Carpenter,	per day,	2 25
Carpenter,	"	2 00
Painters (two),	per month,	60 00
Gardeners (two),	"	30 00
Assistant engineer,	"	45 00
Assistant engineer,	"	40 00
Assistant fireman,	"	30 00
Coachman,	"	35 00
Farm hands (twelve),	"	\$20 00 to 30 00
Plumber,	per day,	3 00
Mechanic,	"	1 75
Laborer,	"	1 75
Mason,	"	2 50

TREASURER'S REPORT.

To the Trustees of the Northampton Insane Hospital.

I respectfully submit the following report of the finances of this institution for the year ending Sept. 30, 1902: —

ASSETS.

Five hundred and five acres of land,	\$53,400 00	
Hospital building,	480,000 00	
Farmhouse, \$1,500; brick house, \$1,700,	3,200 00	
Three dwellings,	2,000 00	
Storehouse, shops and cold storage,	30,000 00	
Two barns,	4,000 00	
Horse stable,	6,000 00	
Piggery,	3,000 00	
Lumber house,	850 00	
Cart shed,	400 00	
Pump house,	500 00	
Two ice houses,	300 00	
Fire-proof house for oils and paints,	500 00	
	<hr/>	\$641,500 00

PERSONAL ESTATE.

Stocks and supplies, as per inventory,	\$90,529 22
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RECEIPTS.

Cash on hand Sept. 30, 1901,	\$852 09	
Received from Commonwealth for support of		
patients,	\$29,751 93	
from cities and towns,	74,443 47	
from individuals,	22,887 87	
from interest on bank balance,	110 22	
from farm and farm products,	370 79	
from sale of miscellaneous articles,	570 81	
	<hr/>	\$128,135 09
Less money belonging to patients,	1,454 11	
	<hr/>	126,680 98
Total cash received applicable to current expenses,	\$127,533 07	
Amount carried forward,	\$127,533 07	

Amount brought forward, \$127,533 07

Received from special appropriations: —

Resolves, 1900, \$2,905 89

Resolves, 1901, 31,020 71

Total cash receipts from special appropriations, . . 33,926 60

Total receipts, \$161,459 67

PAYMENTS.

Salaries, wages and labor, \$42,074 60

Food: —

Butter, \$6,211 88

Beans, 146 21

Bread and crackers, 621 22

Cereals, rice, meal, etc., 817 59

Cheese, 148 19

Eggs, 5,562 50

Flour, 3,447 50

Fish, 1,643 56

Fruit, 1,702 72

Meats, 8,435 14

Milk, 531 10

Molasses, 697 06

Sugar, 2,376 37

Tea, coffee, broma and cocoa, 1,396 22

Vegetables, 309 08

Sundries, 1,074 33

35,120 67

Clothing and clothing material: —

Boots, shoes and rubbers, \$611 09

Clothing, 2,121 62

Dry goods for clothing, small wares, 853 16

Furnishing goods, —

Hats and caps, 46 00

Sundries, 124 13

3,756 00

Furnishings: —

Beds, bedding, table linen, etc., \$2,896 42

Brushes, brooms, etc., 120 76

Carpets, rugs, etc., 1,085 06

Crockery, glassware, cutlery, etc., 345 68

Furniture and upholstery, 446 96

Kitchen furnishings, 157 01

Sundries, 211 76

5,263 65

Amount carried forward, \$86,214 92

Amount brought forward, \$86,214 92

Heat, light and power: —

Coal,	\$11,425 51
Electricity,	131 70
Gas,	63 18
Oil,	136 61
Sundries,	13 88

11,770 88

Repairs and improvements: —

Bricks,	\$211 90
Cement, lime and plaster,	356 47
Electrical work and supplies,	1,256 42
Hardware,	867 83
Lumber,	1,877 22
Machinery, etc.,	159 90
Paints, oils, glass, etc.,	673 41
Plumbing, steam fitting and supplies,	3,857 79
Mechanics and laborers not on pay roll,	476 34
Sundries,	687 60

\$10,424 88

Less paid by special appropriation, 823 28

9,601 60

Farm, stable and grounds: —

Blacksmith and supplies,	\$319 84
Carriages, wagons and repairs,	370 55
Fertilizers, vines, seeds, etc.,	1,252 94
Grain, etc.,	4,146 53
Cows,	214 00
Other live stock,	1,422 56
Labor, not on pay roll,	10 50
Tools, farm machines, etc.,	225 63
Harnesses and harness repairs,	89 54
Sundries,	468 47

8,520 56

Miscellaneous: —

Books, periodicals, etc.,	\$215 75
Chapel services and entertainments,	590 75
Freight, expressage and transportation,	766 08
Funeral expenses,	29 34
Medicines and hospital supplies,	2,012 66
Manual training supplies,	1 60
Postage,	173 92
Printing and printing supplies,	204 52
Return of runaways,	8 09
Soap and laundry supplies,	783 03
Stationery and office supplies,	354 62

Amounts carried forward, \$5,140 36 \$116,107 96

<i>Amounts brought forward,</i>	\$5,140 36	\$116,107 96
Travel and expenses (officials),	576 61	
Telephone and telegraph,	313 43	
Tobacco,	365 04	
Water,	2,628 45	
Sundries,	814 43	
	<hr/>	9,838 32
Total,		\$125,946 28
Paid out of special appropriation : —		
Resolves, 1900,	\$2,905 89	
Resolves, 1901,	31,020 71	
Total extraordinary expenditures paid out of special appropriation,	<hr/>	33,926 60
Total expenditures,		\$159,872 88

RESOURCES AND LIABILITIES.

Resources.

Cash on hand,	\$1,586 79	
Bills due from cities and towns for support of patients,	19,918 34	
Bills due from individuals for support of patients,	8,518 89	
Resources applicable to current expenses,	<hr/>	\$30,024 02

Unexpended Special Appropriations.

Resolves, 1901,	\$40,325 20	
Resolves, 1902,	3,500 00	
	<hr/>	43,825 20
Total resources,		\$73,849 22

Liabilities.

Advanced by State Treasurer,	\$2,994 10	
For salaries, wages, labor and miscellaneous bills,	12,397 59	
Liabilities on account of current income,	<hr/>	\$15,391 69
Due for extraordinary expenditures, chargeable to special ap- propriations,		5,751 00
Total liabilities,		\$21,142 69

Balance for the institution : —

A. On account of current income,	\$14,632 33	
B. On account of special appropriation,	38,074 20	
C. On account current income and special ap- propriations,	<hr/>	\$52,706 53

CASH ACCOUNT.

Dr.

To cash on hand Oct. 1, 1901,	\$852 09	
Since drawn from State Treasurer,	84,836 56	
From sales,	941 60	
From all other sources, payable to State Treasurer,	95,987 45	
Total,	<hr/>	\$182,617 70

Cr.

By cash paid to State Treasurer,	\$55,084 63	
for salaries, wages and labor,	42,074 60	
for food,	35,120 67	
for clothing and materials,	3,756 00	
for furnishings,	5,263 65	
for heat, light and power,	11,770 88	
for repairs and improvements,	9,601 60	
for farm, stable and grounds,	8,520 56	
for all other current expenses,	9,838 32	
By cash on hand Sept. 30, 1902,	1,586 79	
	<hr/>	\$182,617 70

SUMMARY.

Cash on hand Oct. 1, 1901,	\$852 09	
Cash since drawn from State Treasurer for current expenses,	29,751 93	
Cash received from other sources, payable to State Treasurer,	96,929 05	
Total,	<hr/>	\$127,533 07

Cash paid on account of current expenses,	\$125,946 28	
Cash on hand Sept. 30, 1902,	1,586 79	
	<hr/>	\$127,533 07
Deducting from current expenses,	\$125,946 28	
Amount paid for permanent improvements and furnishings purchased for the new infirmary,	11,191 81	
We have the net current expense,	<hr/>	\$114,754 47

Dividing the net current expense,	\$114,754 47	
By the average number of patients gives the annual expenditure,	180 71	
Equivalent to an average weekly expenditure,	3 47	

LEWIS F. BABBITT,

Treasurer.

We have examined, as auditors, the accounts of the treasurer, and found a satisfactory voucher for every entry.

E. MORGAN.
ALVAN BARRUS.
HENRY P. FIELD.

SUPPLEMENTARY STATEMENT

RELATING TO SPECIAL APPROPRIATIONS.

OBJECT.	Resolve.	Whole Amount.	Expended in 1900 and 1901.	Expended in 1902.	Balance Oct. 1, 1902.
Appropriation,	1900.	\$12,000 00	\$9,094 11	\$2,905 89	-
Appropriation,	1901.	74,000 00	1901. 2,654 09	31,020 71	\$40,325 20
Appropriation,	1902.	3,500 00	-	-	3,500 00

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1902.

Live stock on farm,	\$9,674 20
Produce of farm on hand,	12,883 55
Carriages and agricultural implements,	3,200 00
Machinery and mechanical fixtures,	17,500 00
Beds and bedding in inmates' department,	13,000 00
Other furniture in inmates' department,	8,250 00
Personal property of State in superintendent's department,*	9,500 00
Ready-made clothing,	762 71
Dry goods,	1,356 23
Provisions and groceries,	6,417 06
Drugs and medicines,	900 00
Fuel,	3,676 50
Library,	1,250 00
Other supplies undistributed,	2,158 97
	<hr/>
	\$90,529 22

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the sewing room and other departments.

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

STATISTICAL TABLES.

1. — General Statistics of the Year.

	Males.	Females.	Totals.
Patients in the hospital Oct. 1, 1901, . . .	323	295	618
Admitted within the year,	119	100	219
Returned from elopement,	3	—	3
Whole number of cases within the year, . .	445	395	840
Viz.: insane,	120	100	220
not insane,	2	—	2
Discharged within the year,	98	83	181
Viz.: as recovered at the time of leaving the hospital,	19	12	31
as much improved,	9	15	24
as improved,	10	12	22
as not improved,	28	24	52
not insane,	2	—	2
Eloped,	2	1	3
Deaths,	30	20	50
Patients remaining Sept. 30, 1902, . . .	347	312	659
Viz.: supported as State patients, . . .	62	40	102
town patients,	238	224	462
private patients,	47	48	95
Number of different persons within the year,	444	394	838
Persons admitted,	118	99	217
Persons recovered,	19	12	31
Daily average number of patients, . . .	330	306	636
Viz.: State,	59	47	106
town,	228	211	439
private,	43	48	91

2. — *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1901.												
October,	16	11	27	9	6	15	2	2	4	321.516	295.193	616.709
November,	7	10	17	4	—	4	2	2	4	329.700	302.033	631.733
December,	7	6	13	7	4	11	7	1	8	326.935	305.612	632.548
1902.												
January,	9	9	18	4	—	4	2	1	3	326.225	312.225	638.450
February,	10	5	15	17	12	29	1	2	3	328.464	312.250	640.714
March,	8	8	16	4	7	10	4	2	6	318.806	305.290	624.096
April,	10	10	20	3	12	15	—	1	1	319.166	302.933	622.099
May,	15	9	24	7	8	15	3	2	5	328.096	300.838	628.930
June,	12	12	24	5	5	10	1	1	2	335.700	303.166	638.866
July,	9	10	19	1	5	6	5	2	7	338.032	307.387	645.419
August,	7	4	11	3	3	6	1	—	1	342.548	309.903	652.451
September,	9	6	15	4	1	5	2	4	6	344.133	311.966	656.100
Total of cases,	119	100	219	68	62	130	30	20	50	—	—	—
Total of persons,	118	99	217	68	62	130	—	—	—	—	—	—
Daily average,	—	—	—	—	—	—	—	—	—	329.943	305.733	635.676

3. — Received on First and Subsequent Admissions.

NUMBER OF ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	98	84	182	—	—	—
Second,	14	12	26	7	4	11
Third,	4	3	7	—	—	—
Fourth,	3	1	4	1	—	1
Total of cases,	119	100	219	8	4	12
Total of persons,	118	99	217	—	—	—

4. — Relations to Hospitals of Persons admitted.

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane,	88	81	169
Former inmates of this hospital only,	20	14	34
of other hospitals only,	10	3	13
of this and other hospitals,	1	2	3
Total of cases,	119	100	219
Total of persons,	118	99	217

5. — *Nativity and Parentage of Persons admitted.*

PLACES OF NATIVITY.	PATIENTS.			PARENTS.					
				MALES.		FEMALES.		TOTALS.	
	Ma.	Fe.	Tot.	Fa.	Mo.	Fa.	Mo.	Fa.	Mo.
Massachusetts, .	57	40	97	40	37	28	21	68	58
Other States, . .	24	23	47	16	17	13	20	20	37
Total native, .	81	63	144	56	54	41	41	97	95
Austria,	—	3	3	—	—	3	3	3	3
Born at sea, . .	—	1	1	—	—	—	—	—	—
Bohemia, . . .	1	—	1	1	1	—	—	1	1
Canada,	9	7	16	15	14	9	9	24	23
England,	4	3	7	4	2	7	5	11	7
Germany,	7	1	8	9	9	3	3	12	12
Ireland,	11	14	25	26	28	28	30	54	58
Italy,	1	2	3	1	1	2	2	3	3
Poland,	1	1	2	2	2	1	1	3	3
Prussia,	1	—	1	1	1	—	—	1	1
Russia,	1	1	2	—	—	1	1	1	1
Scotland,	—	3	3	—	2	4	4	4	6
Switzerland, . .	1	—	1	1	1	—	—	1	1
Wales,	—	—	—	—	1	—	—	—	1
Total foreign, .	37	36	73	60	62	58	58	118	120
Unknown,	—	—	—	2	2	—	—	2	2
Totals,	118	99	217	118	118	99	99	217	217

6. — *Residence of Persons admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	21	17	38
Hampden County,	52	49	101
Berkshire County,	25	23	48
Franklin County,	18	9	27
Suffolk County,	1	—	1
Worcester County,	1	1	2
Totals,	118	99	217
Cities or towns,	65	60	125
Country districts,	53	39	92
Totals,	118	99	217

7. — *Civil Condition of Persons admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	44	27	71	50	45	95	4	11	15	—	1	1	98	84	182
Second,	8	5	13	6	4	10	—	3	3	—	—	—	14	12	26
Third,	2	1	3	2	1	3	—	1	1	—	—	—	4	3	7
Fourth,	1	—	1	—	1	1	1	—	1	1	—	1	3	1	4
Total of cases,	55	33	88	58	51	109	5	15	20	1	1	2	119	100	219
Total of persons,	55	32	87	57	51	108	5	15	20	1	1	2	118	99	217

8. — *Occupation of Persons admitted.*

MALES.			
Bookkeeper,	1	Mechanics,	3
Bartender,	1	Masons,	2
Baker,	1	Moulder,	1
Barber,	1	Music teacher,	1
Color mixer,	1	No occupation,	9
Clergyman,	1	Operatives,	9
Clerks,	4	Physicians,	2
Carpenters,	3	Printer,	1
Cab driver,	1	Painter,	1
Carriage trimmer,	1	Porter,	1
Chemist,	1	Paper manufacturer,	1
Cigar maker,	1	Saw filer,	1
Dyer,	1	Student,	1
Engineers,	4	Teacher,	1
Foundry man,	1	Tailors,	4
Farmers,	20	Tobacco sorter,	1
Jeweler,	1	Teamsters,	2
Laborers,	26	Salesmen,	2
Lineman,	1	Upholsterer,	1
Machinist,	1	Whip maker,	1
Motorman,	1		

FEMALES.			
Artist,	1	Dressmakers,	3
Bookkeeper,	1	Housekeeper,	1
Cooks,	2	Laundresses,	2
Cigar maker,	1	No occupation,	18
Clerk,	1	Operatives,	9
Domestics,	12	Stenographer,	1

WIFE OF —			
Bookkeeper,	1	Mason,	1
Carpenter,	1	Night watchman,	1
Clerk,	2	Operative,	6
Farmer,	9	Policeman,	1
Laborer,	15	Paper maker,	2
Moulder,	1	Street car conductor,	1
Manufacturer,	1	Shoemaker,	1
Machinist,	1	Tailor,	1
Marble worker,	1	Tool maker,	1

10. — Record of Cases admitted within the Year.

PATIENTS.	Males.	Females.	Totals.
Admitted,	119	100	219
Insane,	117	100	217
Not insane,	2	—	2
Discharged recovered,	10	8	18
much improved,	2	5	7
improved,	6	3	9
not improved,	3	9	12
not insane,	2	—	2
Eloped,	—	1	1
Died,	10	6	16
Remaining Sept. 30, 1902,	86	69	155
Number likely to recover or improve,	12	14	26

11. — *Ages of Insane at First Attack, Admission and Death.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.						PERSONS DIED.					
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	18	8	26	-	-	-	1	2	3	-	-	-
15 years and less,	-	-	-	-	-	-	1	-	1	-	-	-
From 15 to 20 years,	2	1	3	4	4	8	1	-	1	-	1	1
20 to 25 years,	3	10	13	8	7	15	1	3	4	-	-	-
25 to 30 years,	6	7	13	7	9	16	1	1	2	-	2	2
30 to 35 years,	6	8	14	8	7	15	4	1	5	2	-	2
35 to 40 years,	9	10	19	10	11	21	4	2	6	1	2	3
40 to 50 years,	13	21	34	16	21	27	5	3	8	3	3	6
50 to 60 years,	14	6	20	13	10	23	3	-	3	9	1	10
60 to 70 years,	8	4	12	15	4	29	3	3	6	4	3	7
70 to 80 years,	5	5	10	5	7	12	4	5	9	6	7	13
Over 80 years,	-	-	-	2	1	3	2	-	2	5	1	6
Unknown,	3	1	4	-	-	-	-	-	-	-	-	-
Total of persons,	87	81	168	87	81	168	30	20	50	30	20	50
Mean ages,	35	37	36	44	41	43	47	44	46	61	56	59

12. — *Reported Duration of Disease before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	18	8	26	2	3	5	20	11	31
Under 1 month,	9	10	19	6	1	7	15	11	26
From 1 to 3 months,	9	13	22	5	1	6	14	14	28
3 to 6 months,	3	3	5	2	1	3	5	3	8
6 to 12 months,	7	10	17	1	2	3	8	12	20
1 to 2 years,	12	9	21	-	1	1	12	10	22
2 to 5 years,	12	19	31	3	4	7	15	23	38
5 to 10 years,	4	5	9	5	2	7	9	7	16
10 to 20 years,	6	2	7	-	3	3	6	4	10
Over 20 years,	4	1	5	6	1	7	10	3	13
Unknown,	3	1	5	-	-	-	3	2	5
Total of cases,	87	81	168	30	19	49	117	100	217
Total of persons,	-	-	-	-	-	-	116	99	215
Average in years,	8.71	4	6.08	9.23	8.77	9.04	8.84	5.9	7.05

13. — *Form of Mental Disease in Cases admitted or discharged, with Condition on Discharge.*

FORM OF DISEASE.	CASES ADMITTED.			RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			AGGREGATES.		
	Males.		Females.	Males.		Females.	Males.		Females.	Males.		Females.	Males.		Females.	Males.		Females.	Males.		Females.	Males.		Females.
	Totals.			Totals.			Totals.			Totals.			Totals.			Totals.			Totals.			Totals.		
Insane: —	10	2	12	6	—	6	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	7	—	7
Acute alcoholic insanity.	2	—	2	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2
Acute confusional insanity.	2	—	2	3	1	4	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	3
Acute delirium.	1	2	3	—	—	—	2	1	3	1	—	—	—	—	—	—	—	—	—	—	—	8	—	8
Chronic alcoholic insanity.	2	2	4	—	—	—	2	1	3	2	—	—	3	2	5	—	—	—	1	—	—	4	—	4
Congenital mental deficiency.	18	10	28	—	—	—	1	1	2	—	—	—	3	2	5	—	—	—	2	—	—	7	—	7
Dementia, præcox.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dementia, hebephrenic form.	18	17	35	1	—	1	3	2	5	—	—	—	1	3	6	—	—	—	1	2	3	8	—	8
Dementia, katatonic.	3	—	3	—	—	—	1	—	1	—	—	—	1	—	1	—	—	—	2	2	4	4	—	4
Dementia, paranoid.	5	4	9	—	—	—	—	—	—	—	—	—	2	2	4	—	—	—	—	—	—	3	—	3
Epilepsy.	3	2	5	—	—	—	—	—	2	—	—	—	7	19	—	—	—	—	3	1	4	15	—	15
Evolution psychosis.	6	7	13	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Manic depressive insanity.	9	16	25	7	9	16	—	6	6	1	—	—	—	—	—	—	—	—	2	3	5	10	—	10
Manic depressive form.	4	9	13	2	2	4	—	—	—	—	—	—	2	2	4	—	—	—	1	1	2	3	—	3
Manic.	4	2	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5	—	5
Mixed.	3	4	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2
Organic dementia.	5	8	13	—	—	—	—	—	—	1	2	3	1	3	4	—	—	—	—	—	—	6	—	6
Paranoia.	12	14	26	—	—	—	—	1	1	3	3	2	—	—	—	—	—	—	2	—	—	10	—	10
Paranoia.	16	13	29	—	—	—	—	2	2	1	—	—	1	1	2	—	—	—	5	—	—	13	—	13
Senile dementia.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11	11	22	15	—	15
Not insane: —	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Opium habit.	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Not insane.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals.	119	100	219	19	12	31	9	15	24	10	12	22	28	24	52	2	—	—	30	20	50	98	83	181

B. — Not insane: —
Opium habit.

14. — Discharges, classified by Admission and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	10	8	18	5	8	13	9	11	20	22	20	42	2	—	2	27	17	44	75	64	139
Second,	6	2	8	2	4	6	1	—	1	5	4	9	—	—	—	3	1	4	17	11	28
Third,	2	1	3	2	2	4	—	1	1	1	—	1	—	—	—	—	2	2	5	6	11
Fourth,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Fifth,	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Ninth,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Total of cases,	19	12	31	9	15	24	10	12	22	28	24	52	2	—	2	30	20	50	98	83	181
Total of persons,	19	12	31	9	15	24	10	12	22	28	24	52	2	—	2	30	20	50	98	83	181

15. — Causes of Death.

	Males.	Females.	Totals.
Apoplexy,	4	3	7
Bulbar paralysis,	1	—	1
Carcinoma,	1	—	1
Chronic endocarditis,	3	1	4
Hypertrophic cirrhosis of liver,	1	—	1
Organic heart disease,	—	2	2
Pulmonary abscess,	1	—	1
Pneumonia and senility,	2	2	4
Paresis,	5	—	5
Sarcoma,	—	1	1
Suicide,	1	—	1
Status epilepticus,	1	1	2
Senility,	8	6	14
Pulmonary tuberculosis,	1	4	5
Transverse myelitis,	1	—	1

16. — Recoveries, classified by Duration of Disease and of Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month,	9	7	16	2	1	3	1	1	2	2	1	3
From 1 to 3 months,	4	4	8	2	2	4	—	—	—	—	—	—
3 to 6 months,	2	1	3	9	3	12	7	1	8	3	2	5
6 to 12 months,	2	4	6	3	5	8	7	7	14	6	4	10
1 to 2 years,	1	—	1	2	1	3	1	3	4	3	2	5
2 to 5 years,	1	1	2	1	1	2	3	—	3	6	1	7
5 to 10 years,	—	—	—	—	—	—	—	—	—	—	—	—
10 to 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	19	12	31	19	12	31	19	12	31	19	12	31
Average of known cases (in months),	3.43	2.75	3.16	7.36	6.16	6.90	.47	8.91	9.87	17.57	11.75	15.74
										12.57	9.00	11.19

17. — Deaths, classified by Duration of Disease and Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month, . . .	4	—	4	4	2	6	1	—	1	2	2	6
From 1 to 3 months, . . .	4	4	8	4	2	6	2	2	4	4	2	6
3 to 6 months, . . .	—	—	—	3	2	5	1	1	2	2	2	4
6 to 12 months, . . .	—	2	2	3	1	4	1	2	3	3	1	4
1 to 2 years, . . .	3	1	4	4	3	7	4	—	4	4	1	6
2 to 5 years, . . .	6	5	11	4	6	10	3	3	6	3	6	9
5 to 10 years, . . .	4	2	6	3	4	7	3	5	8	3	5	8
10 to 20 years, . . .	5	3	8	—	—	—	4	4	8	5	1	2
Over 20 years, . . .	4	3	7	5	—	5	11	3	14	11	—	5
Totals, . . .	30	20	50	30	20	50	30	20	50	30	20	50
Average of known cases (in months), . . .	105.06	113.65	108.5	76.56	31.25	58.44	183.7	142.9	167.38	186.36	153.15	173.08
										76.86	36.6	63.28

18. — *Annual Admissions, etc.* — *Concluded.*

[illegible]

1878,	.	.	.	.	.	9	12	21													
1879,	.	.	.	.	.	14	9	23													
1880,	.	.	.	.	.	9	11	20													
1881,	.	.	.	.	.	9	17	26													
1882,	.	.	.	.	.	12	10	22													
1883,	.	.	.	.	.	13	17	30													
1884,	.	.	.	.	.	24	17	41													
1885,	.	.	.	.	.	13	24	37													
1886,	.	.	.	.	.	22	25	47													
1887,	.	.	.	.	.	14	15	29													
1888,	.	.	.	.	.	25	19	44													
1889,	.	.	.	.	.	20	22	42													
1890,	.	.	.	.	.	16	20	36													
1891,	.	.	.	.	.	10	13	33													
1892,	.	.	.	.	.	20	17	37													
1893,	.	.	.	.	.	16	24	40													
1894,	.	.	.	.	.	17	18	35													
1895,	.	.	.	.	.	19	13	32													
1896,	.	.	.	.	.	20	21	41													
1897,	.	.	.	.	.	19	16	35													
1898,	.	.	.	.	.	28	27	55													
1899,	.	.	.	.	.	17	27	44													
1900,	.	.	.	.	.	23	27	50													
1901,	22	20	42																		
1902,	21	16	37																		
Totals,	-	-	-	9	4	13	4	7	11	1	1	2	6	4	10	3	3	6	347	312	659

[illegible]

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